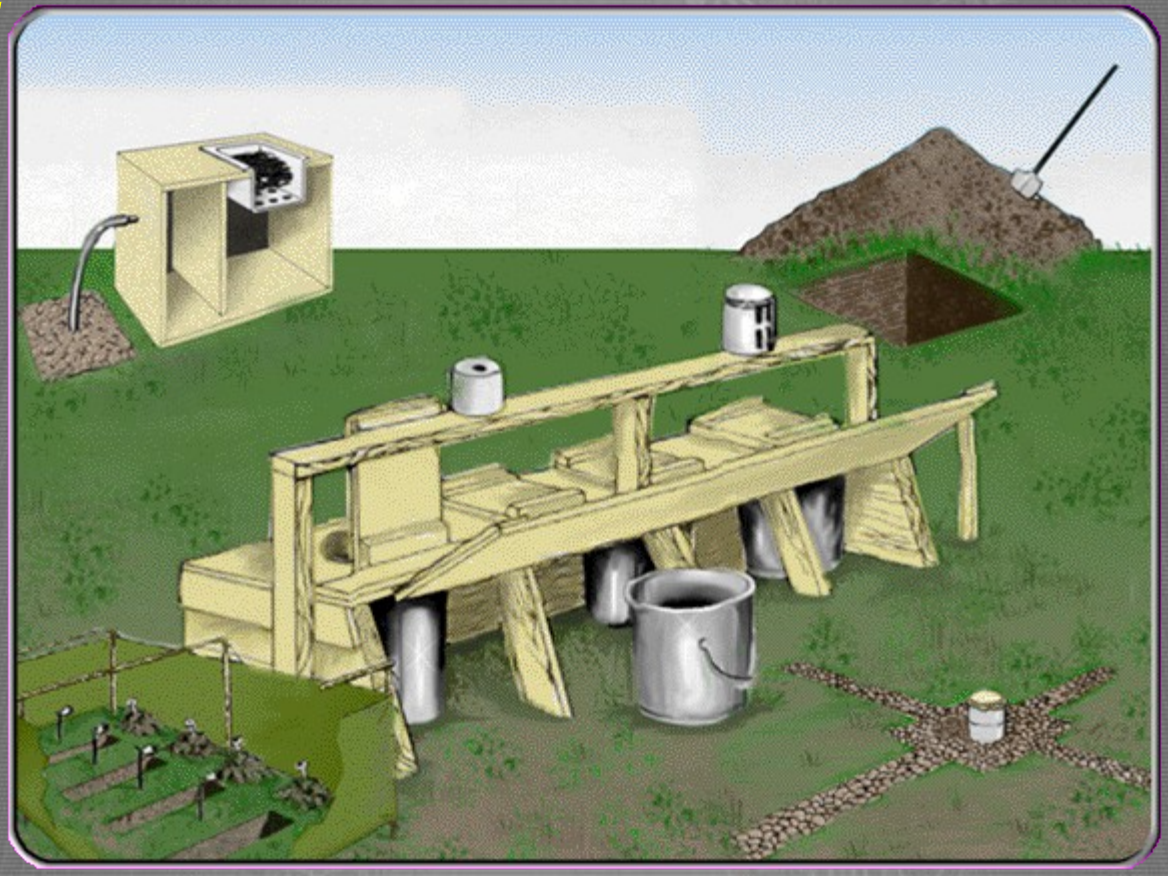
FIELD SANITATION TEAM CERTIFICATION COURSE



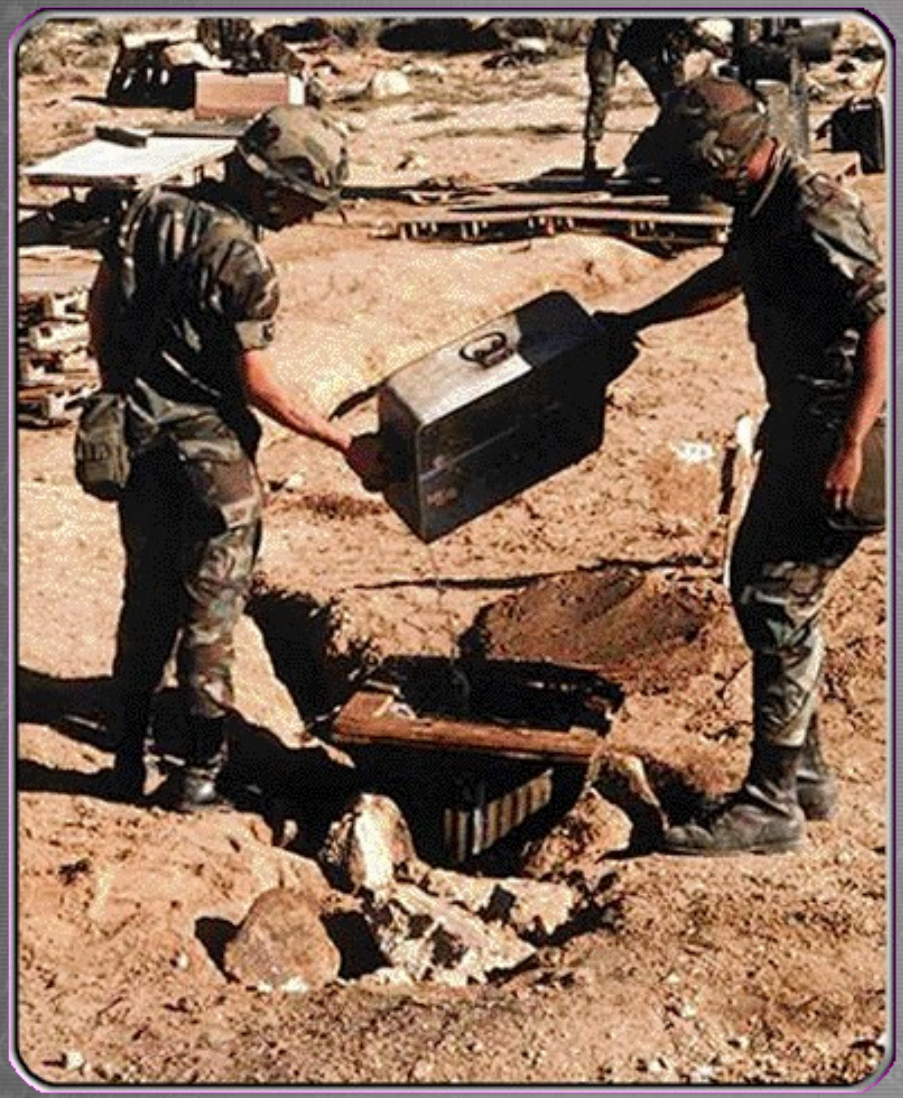
LESSON 6 - WASTE DISPOSAL IN THE FIELD

FSTCC0006-1

Lesson Objectives

- Select the best latrine for your unit's situation.
- Select the best liquid waste disposal device for your unit's situation.
- Select the best garbage and rubbish disposal method for your unit's situation.

Waste Disposal in the Field



- Includes :
  - Human waste
  - Liquid waste
  - Rubbish
  - Hazardous Waste

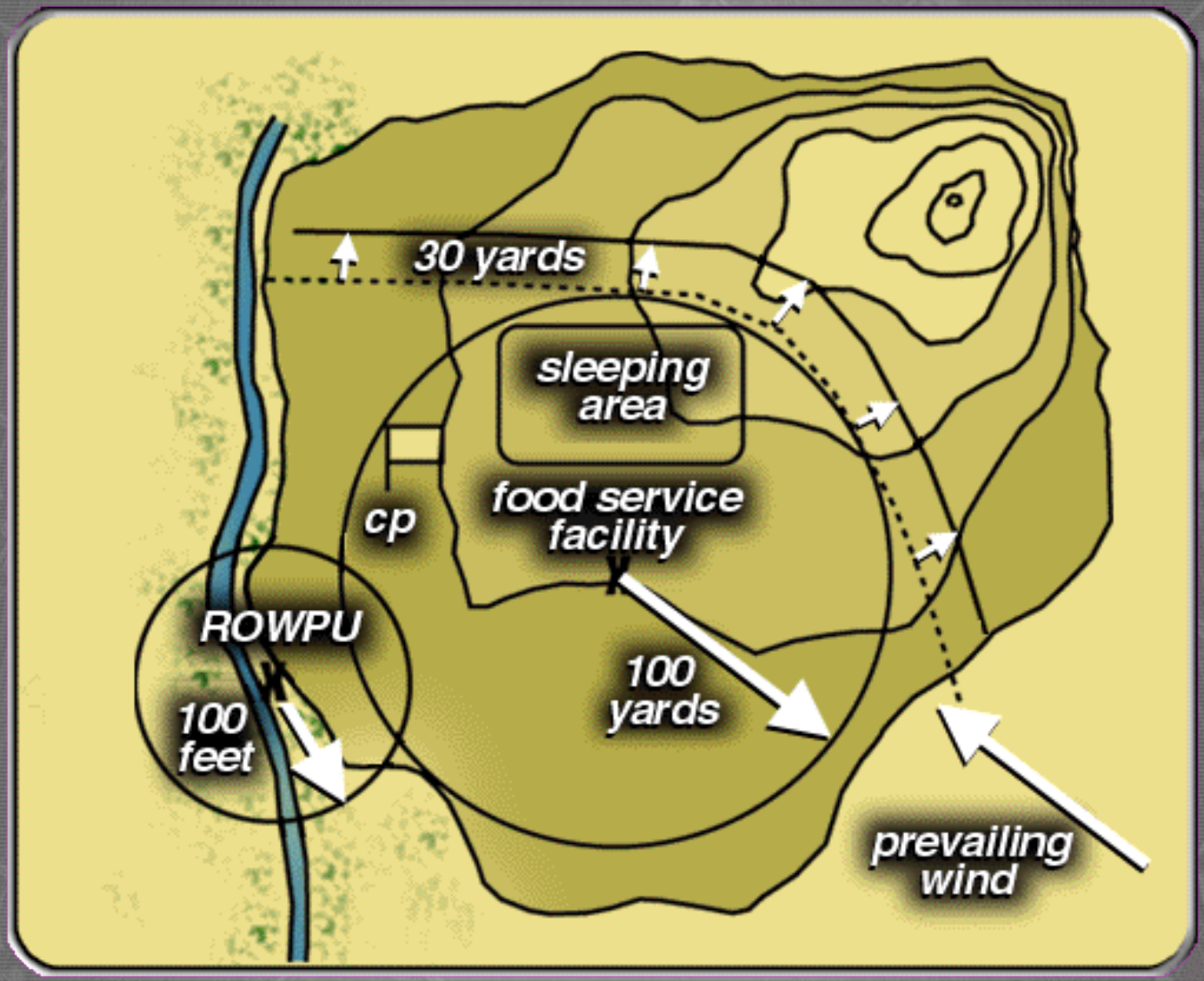
Human Waste Disposal

FSTCC0006-4

Planning Considerations for Latrines

FSTCC0006-5

Latrine Location



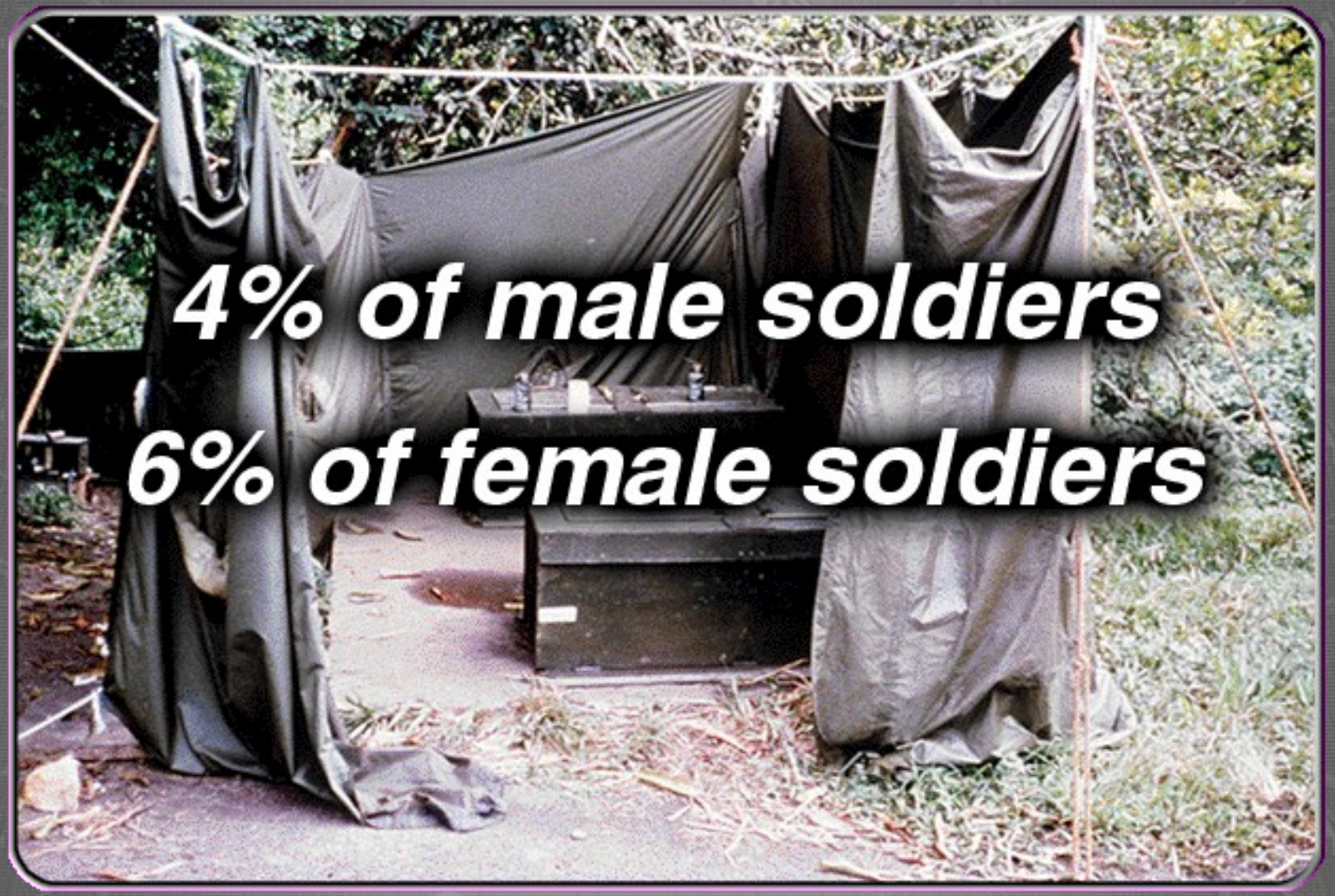
Soldier Privacy

FSTCC0006-7

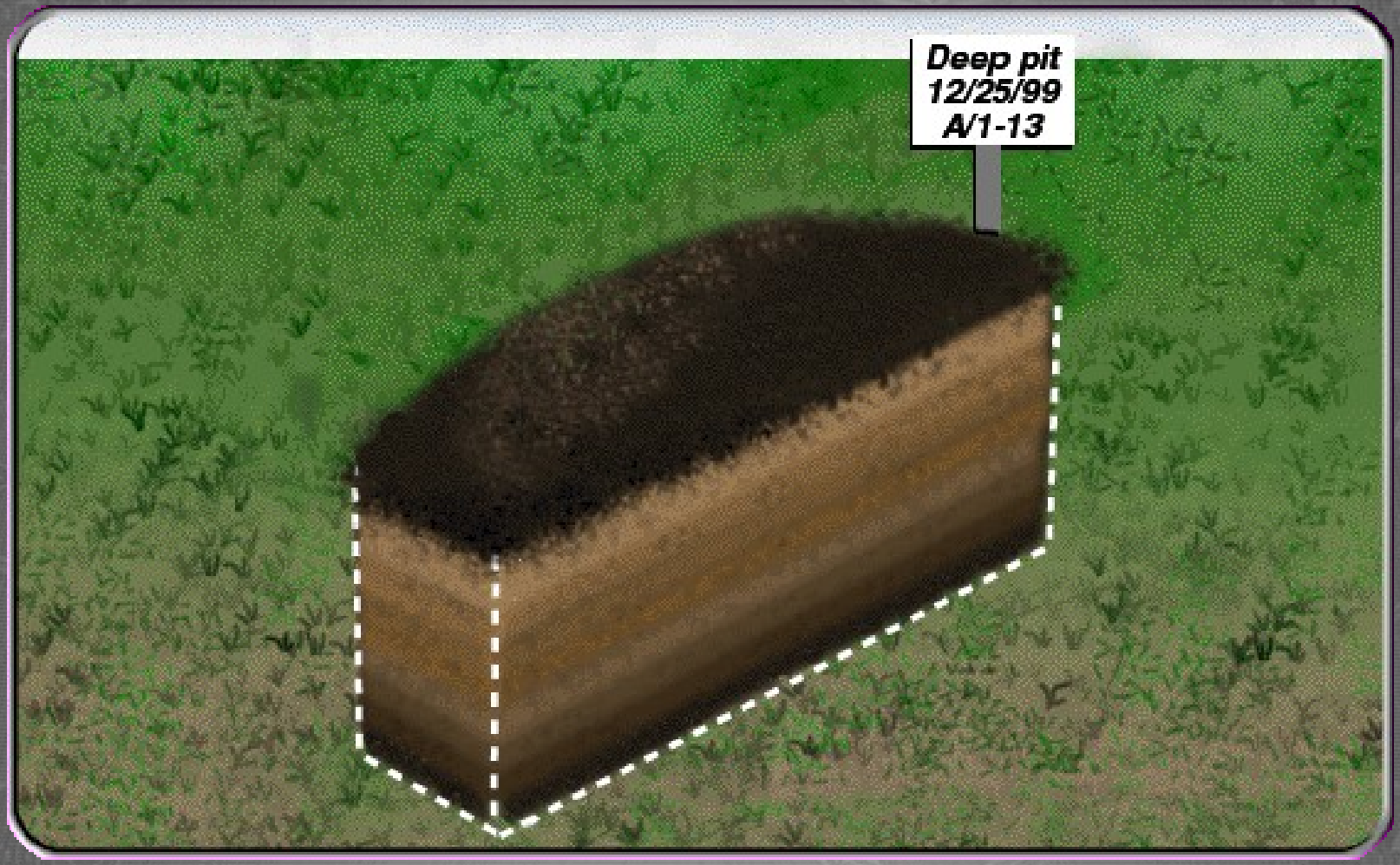
Hand-washing Devices

FSTCC0006-8

Number of Latrines Required

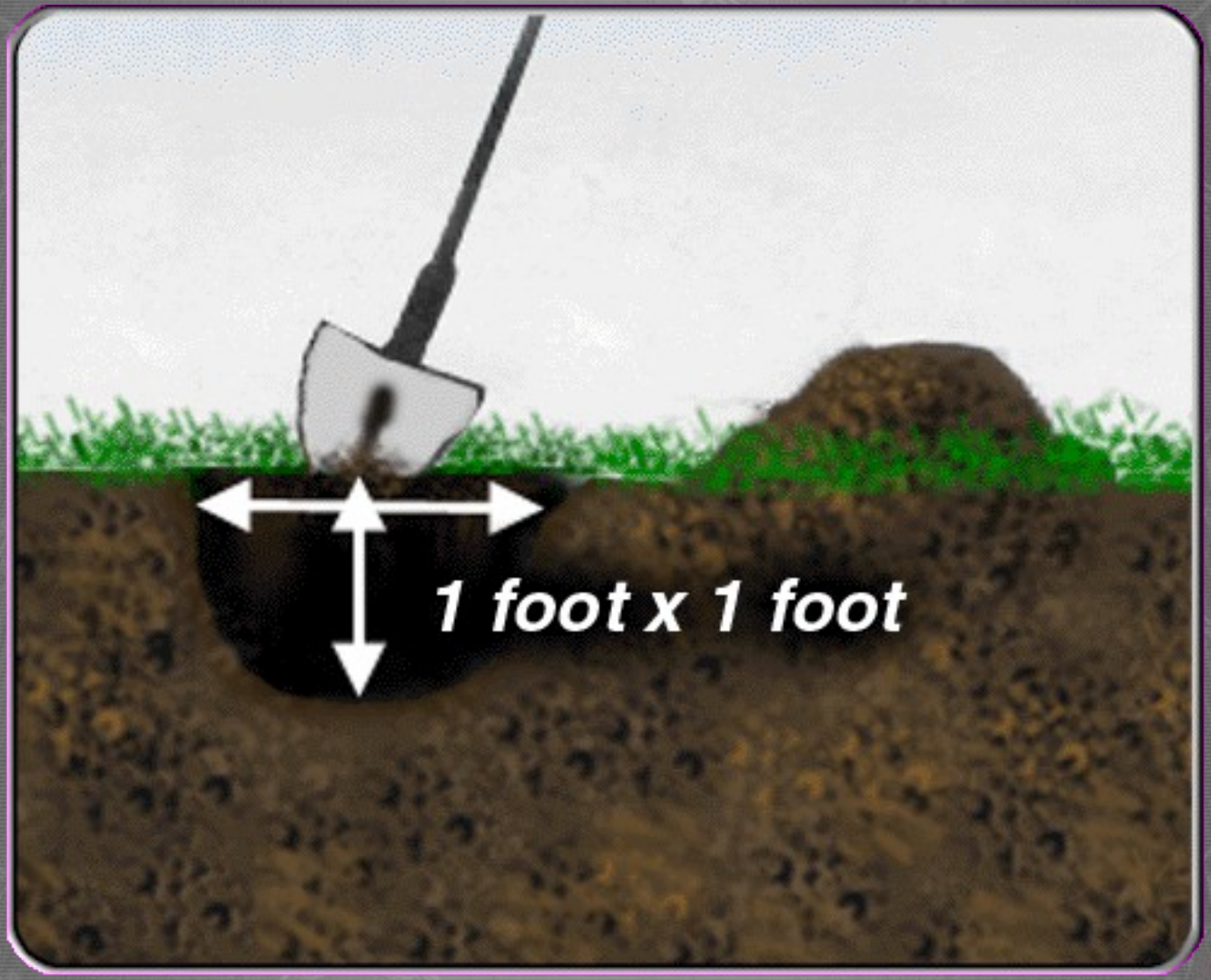


Latrine Closure



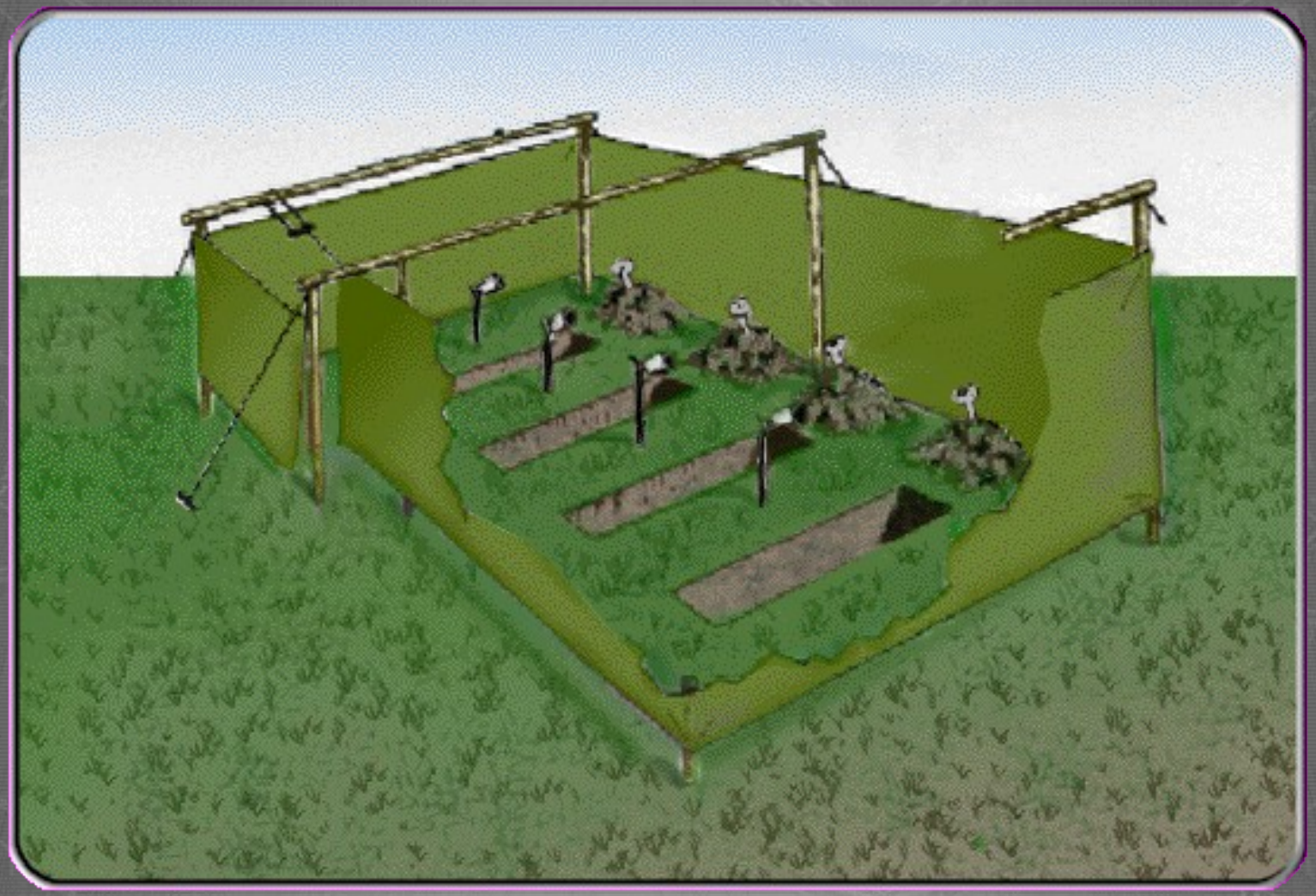
FSTCC0006-10

Cat-hole Latrines



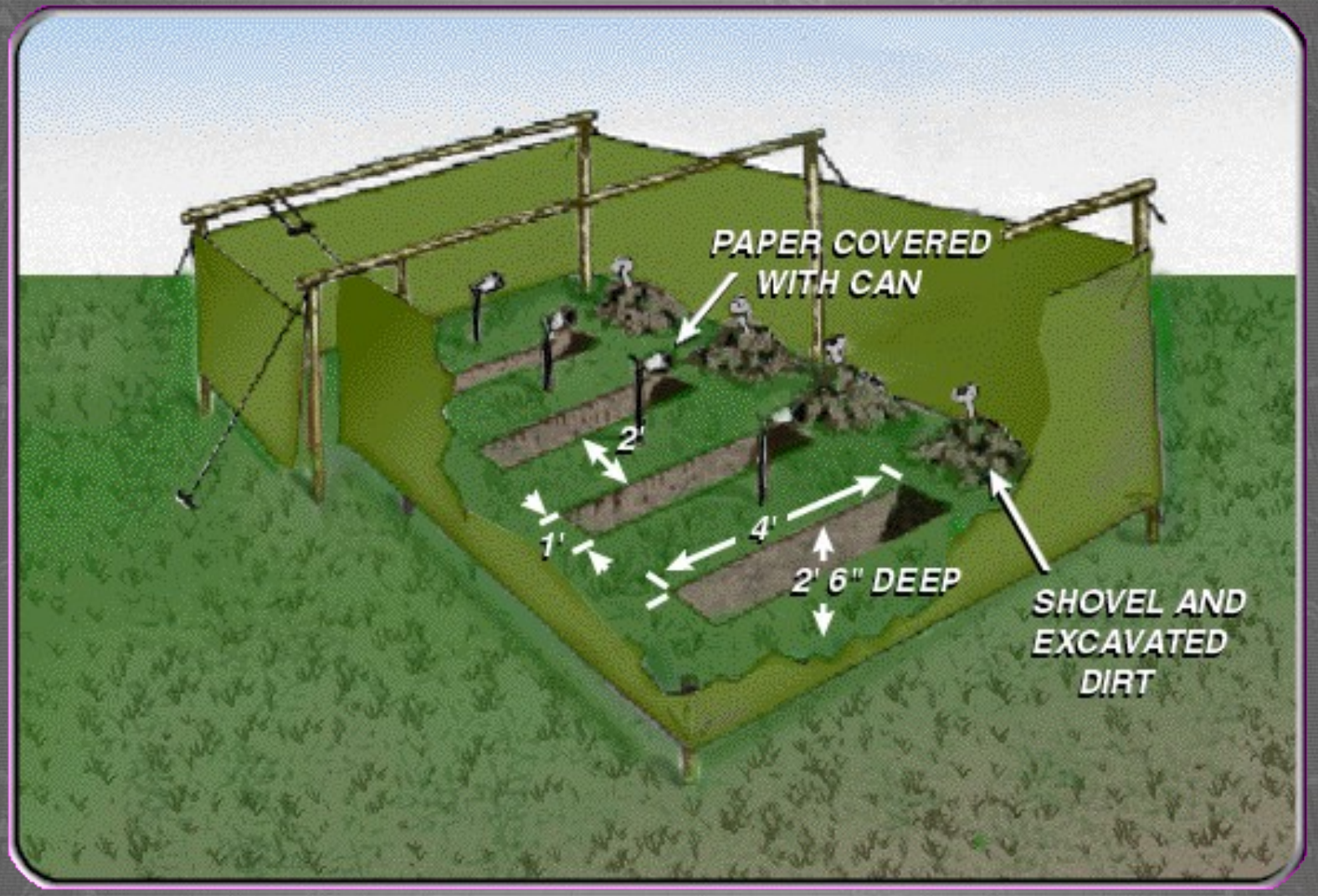
FSTCC0006-11

Straddle Trench Latrines

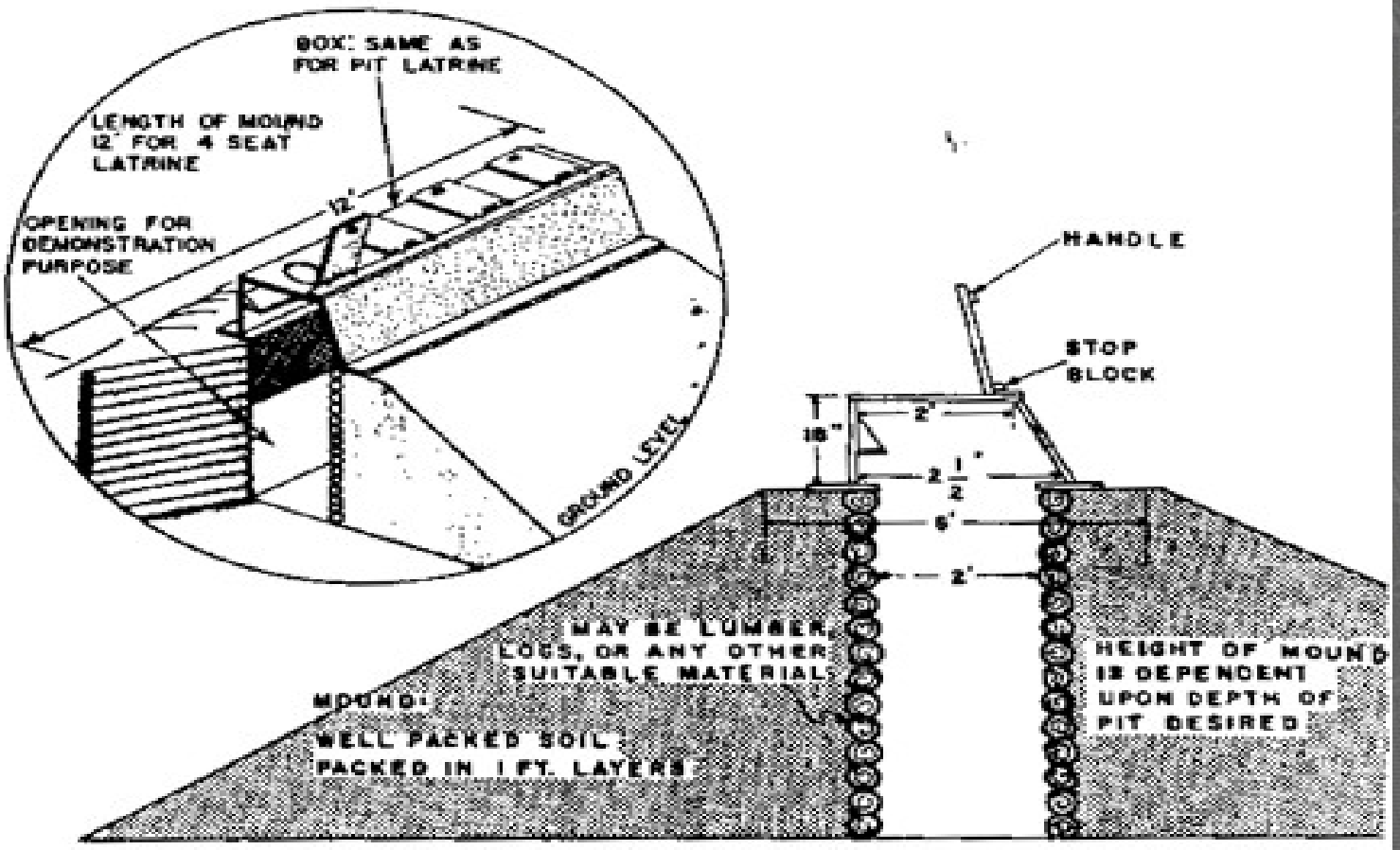


FSTCC0006-12

Straddle Trench Dimensions



Mound Latrines

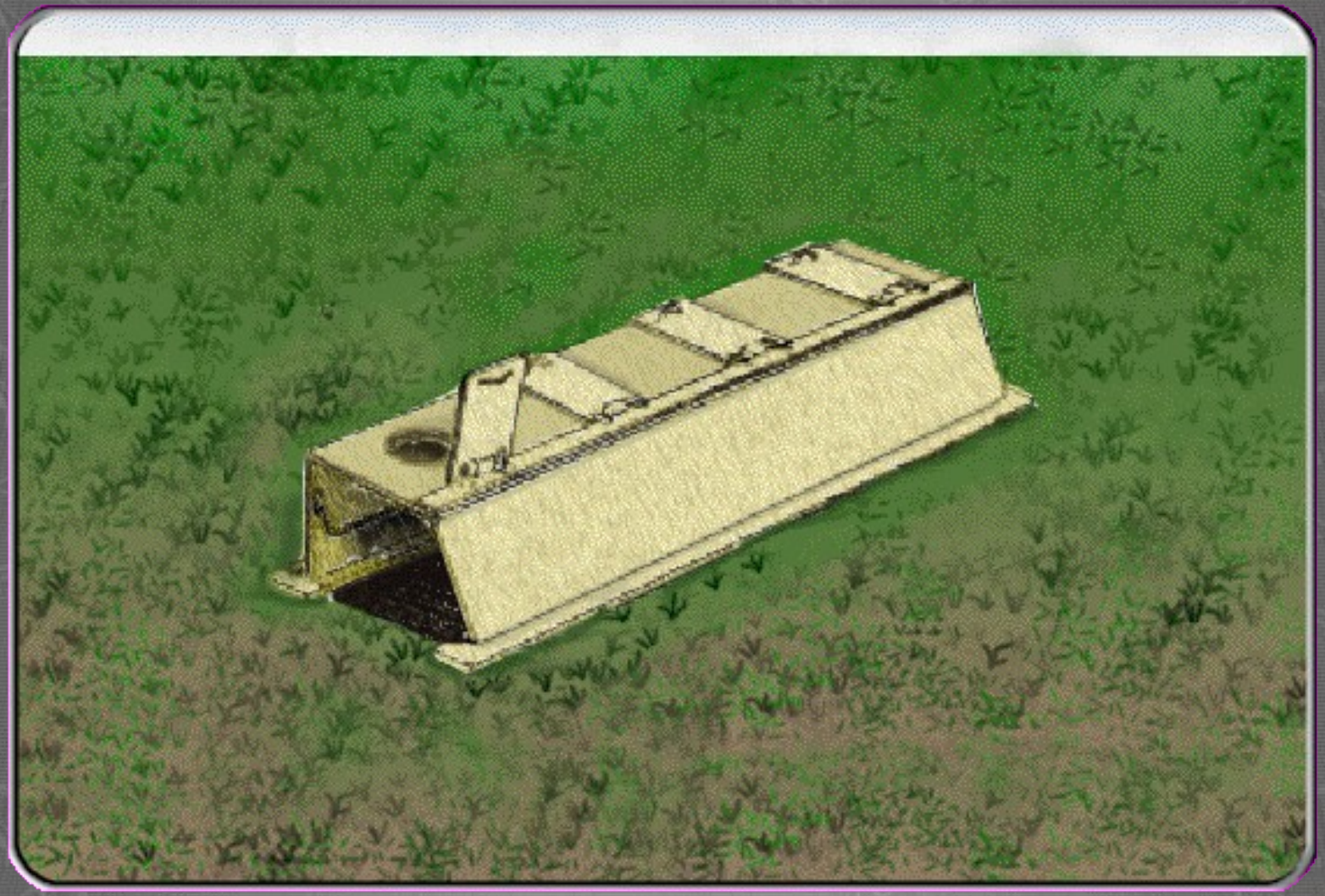


MOUND LATRINE

Figure 9–11.

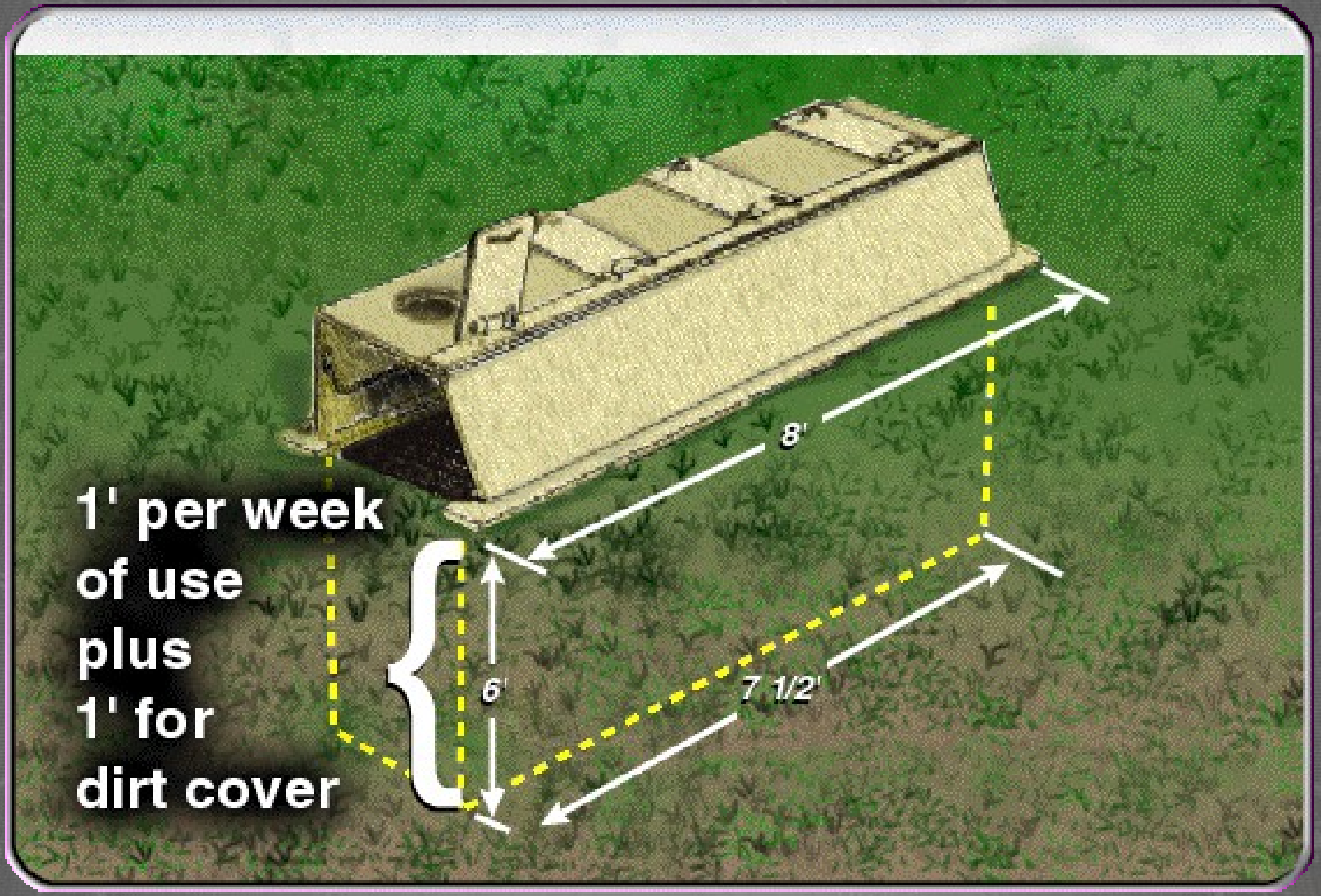
This latrine may be used where ground characteristics (high water table, frozen or rocky ground) are such that a deep pit latrine cannot be constructed. After a crib of timbers or wood planking is built, earth is compacted around the "pit" to form a mound.

Deep Pit Latrines

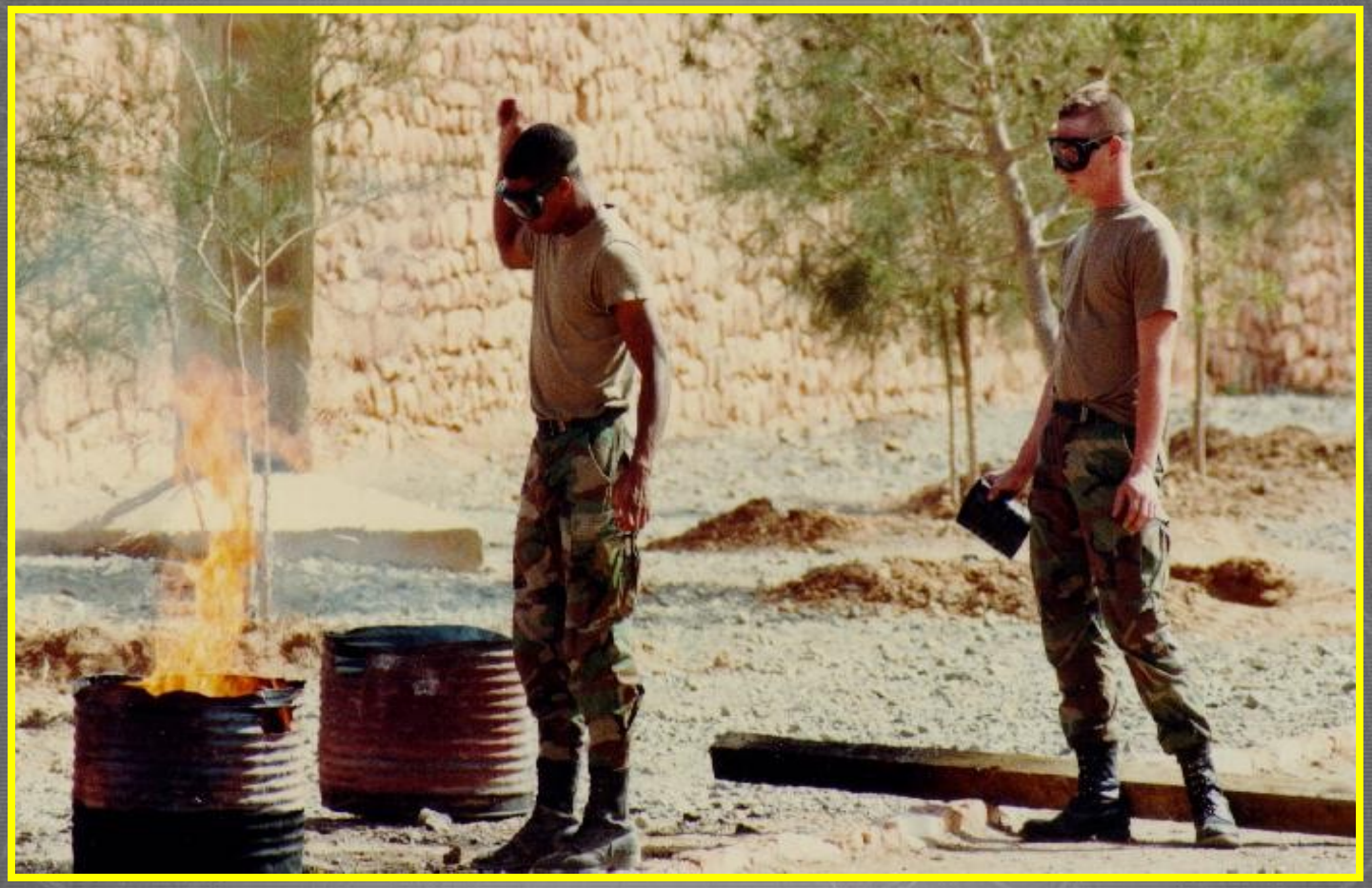


FSTCC0006-15

Deep Pit Dimensions

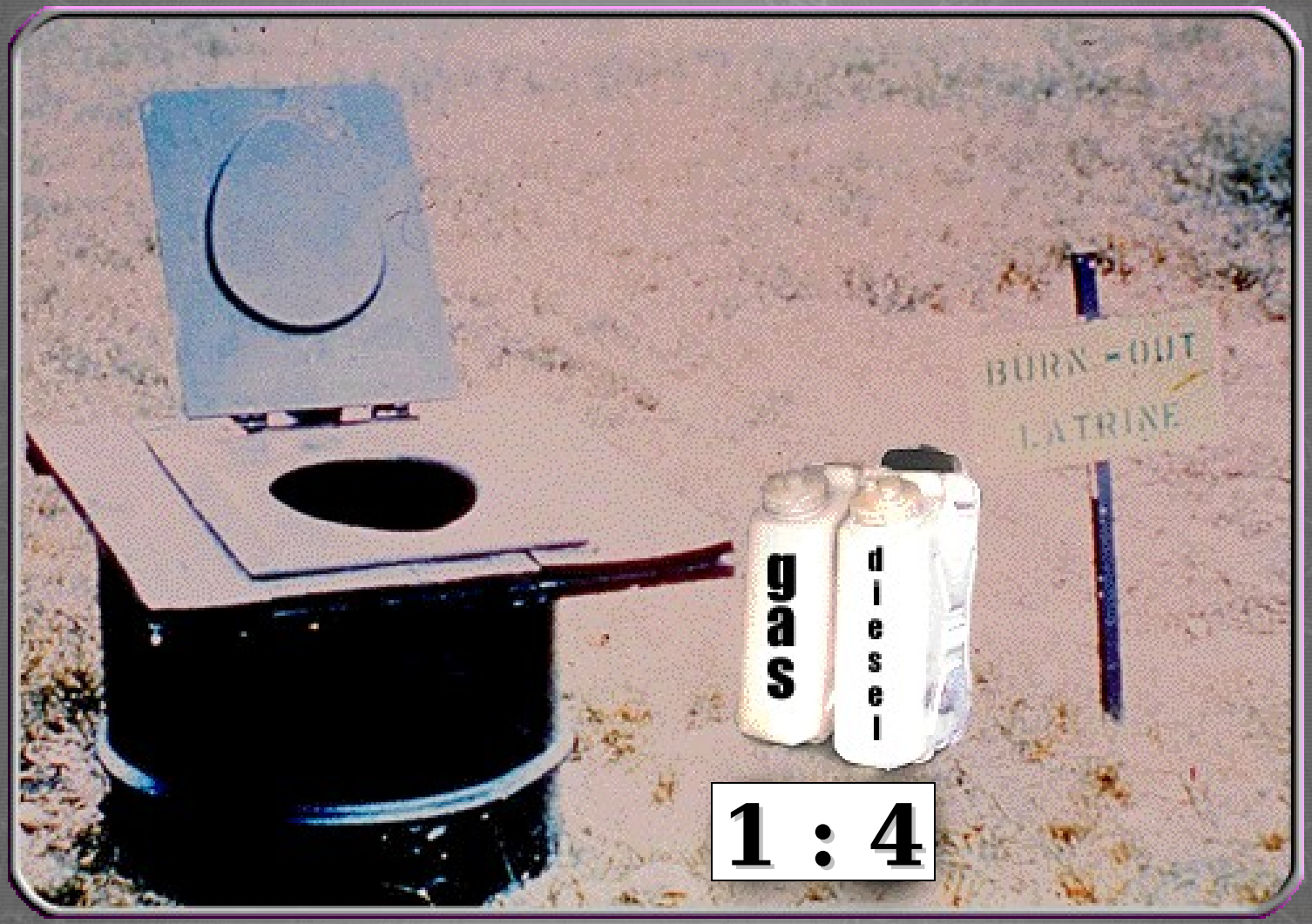


Burnout Latrines



FSTCC0006-17

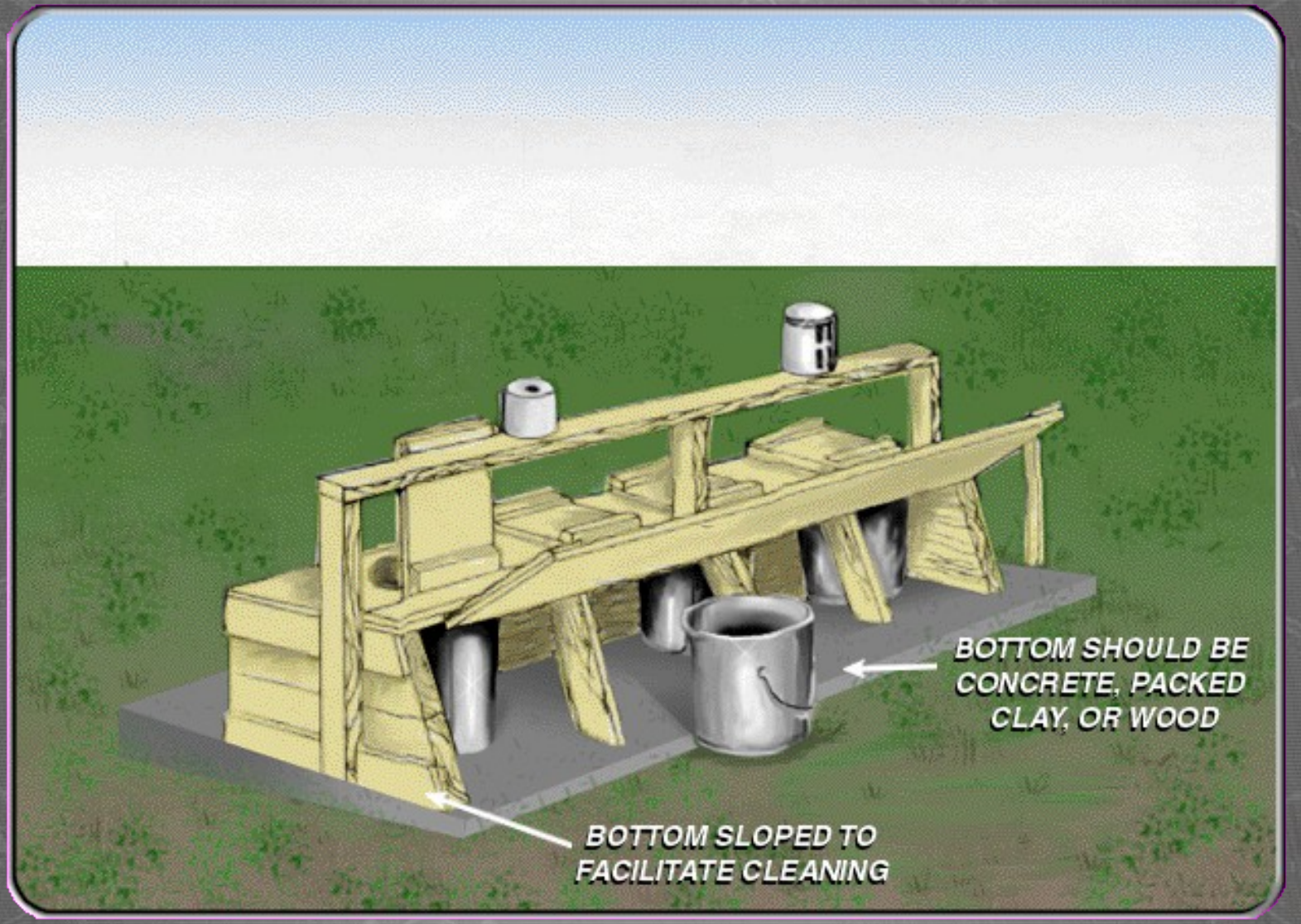
Burnout Construction



NEVER USE 100% MOGAS FOR THIS TYPE OF OPERATION

FSTCC0006-18

Pail Latrines

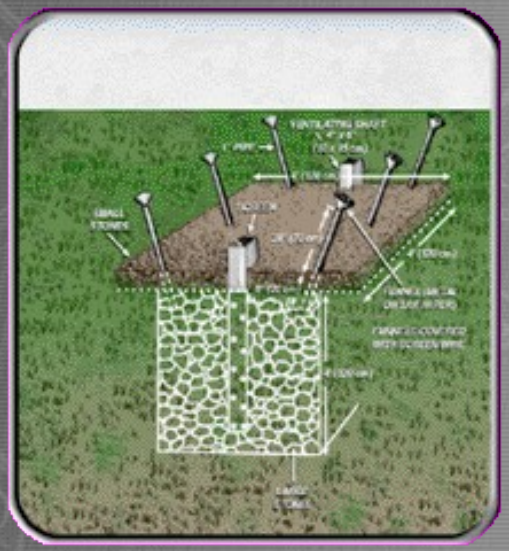


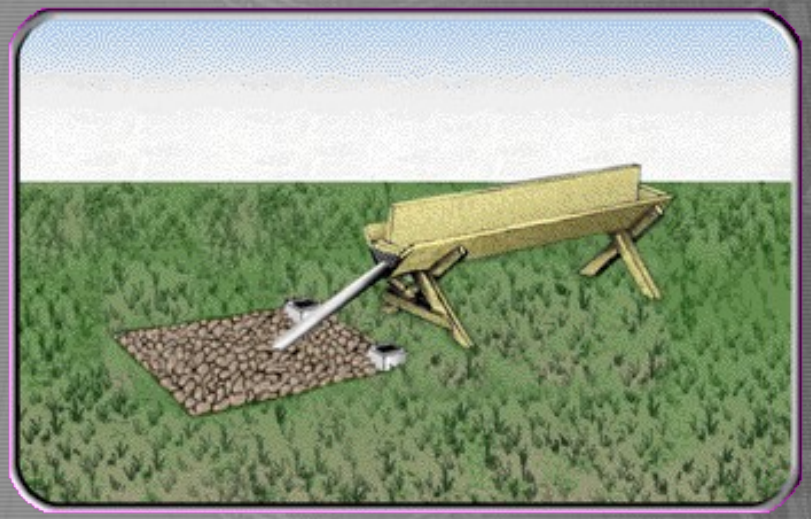
FSTCC0006-19

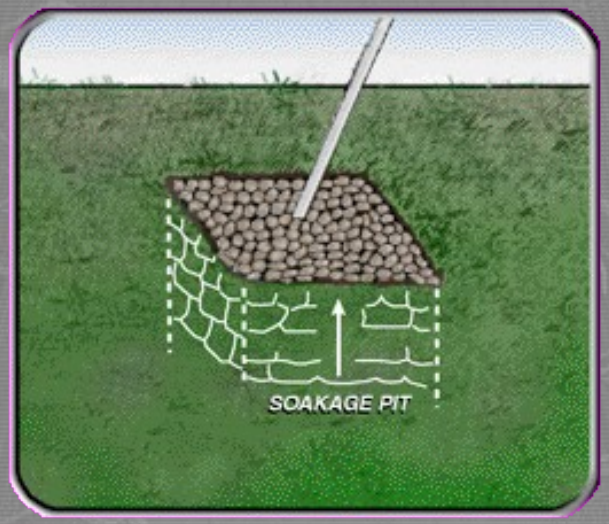
Chemical Toilets

FSTCC0006-20

Field Urinals

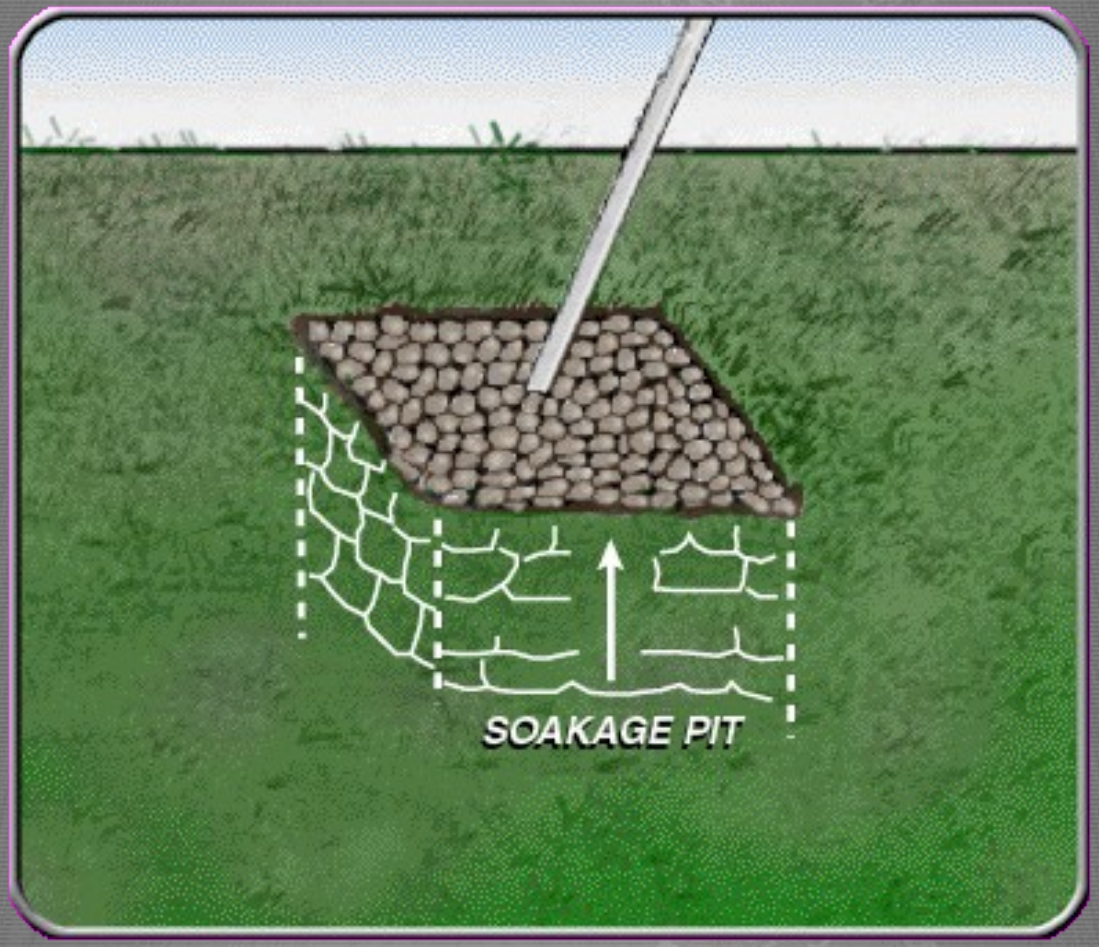






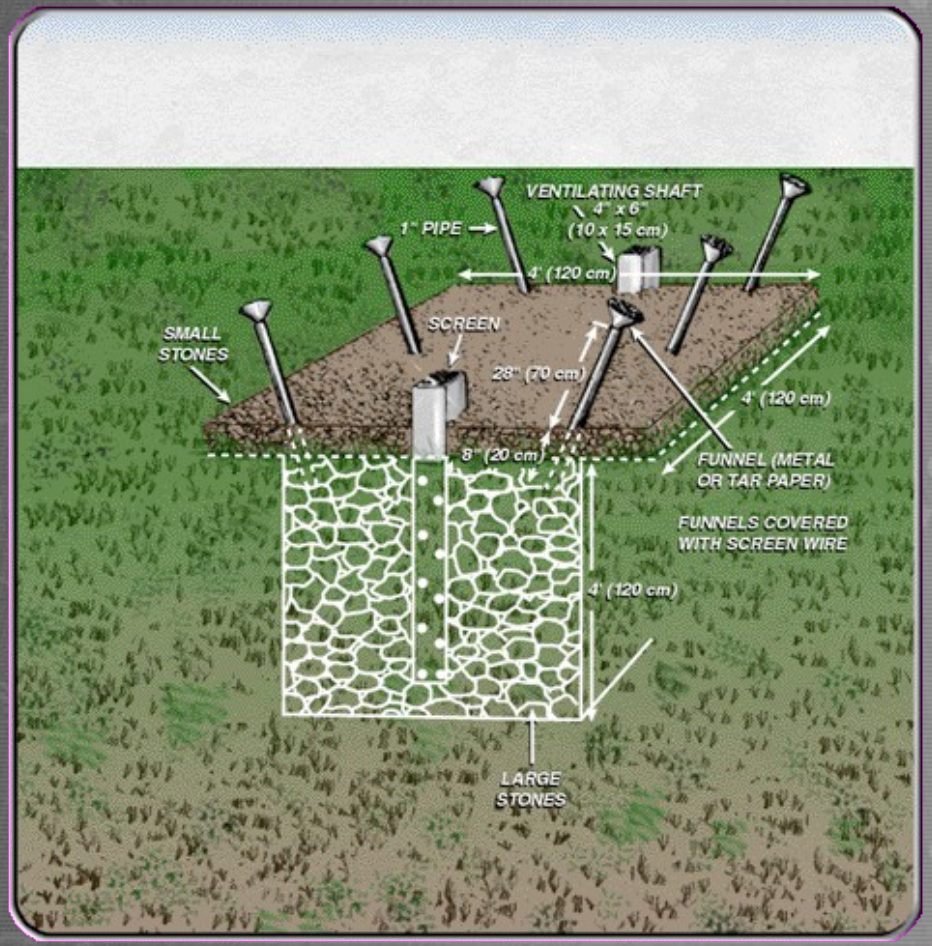
FSTCC0006-21

Urine Soakage Pit



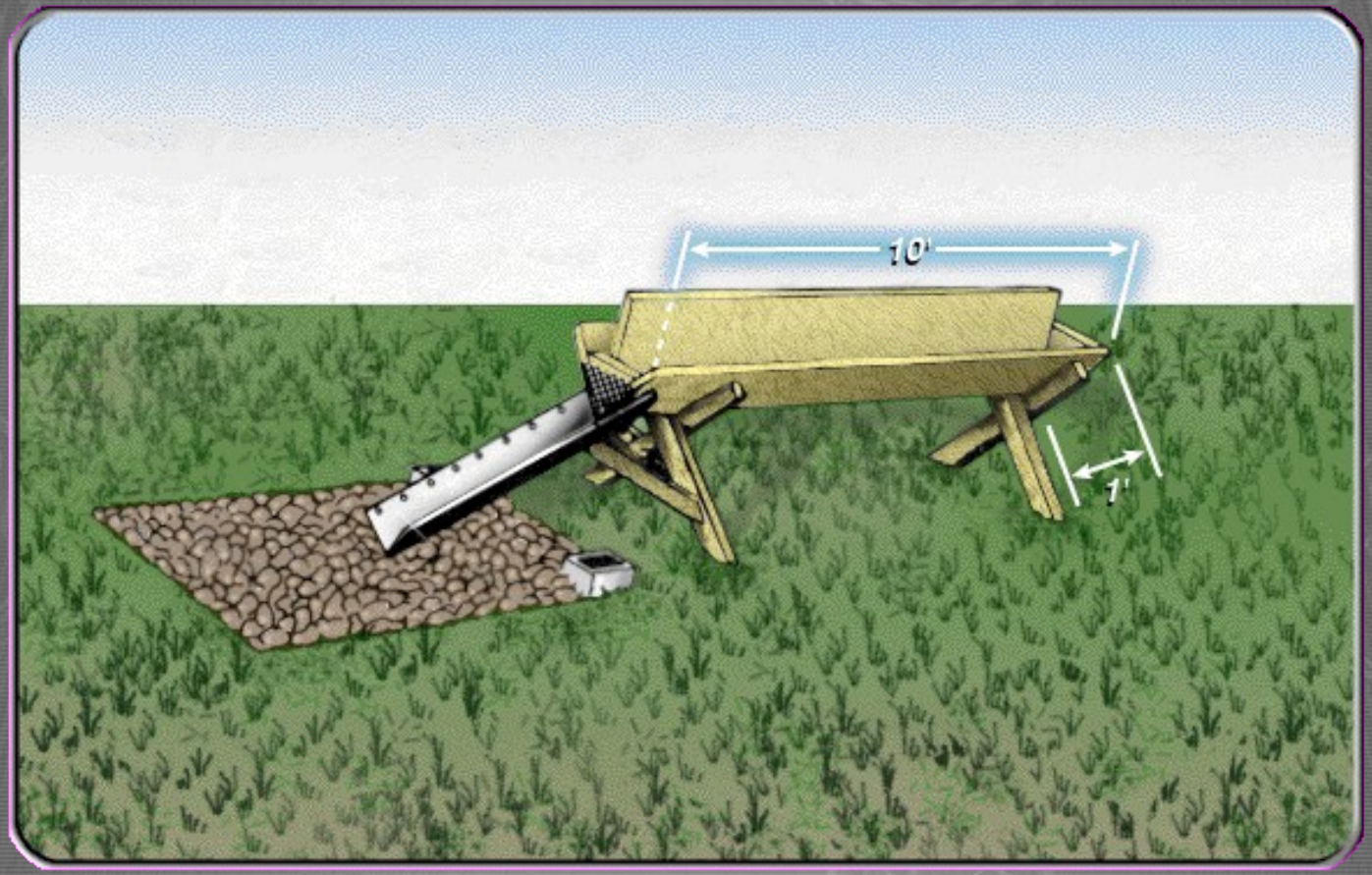
- 4 x 4 foot hole dug 4 feet deep.

Pipe Urinals



- Each pipe accommodates 20 soldiers.

Urine Troughs



- Build 2 feet of trough per soldier.

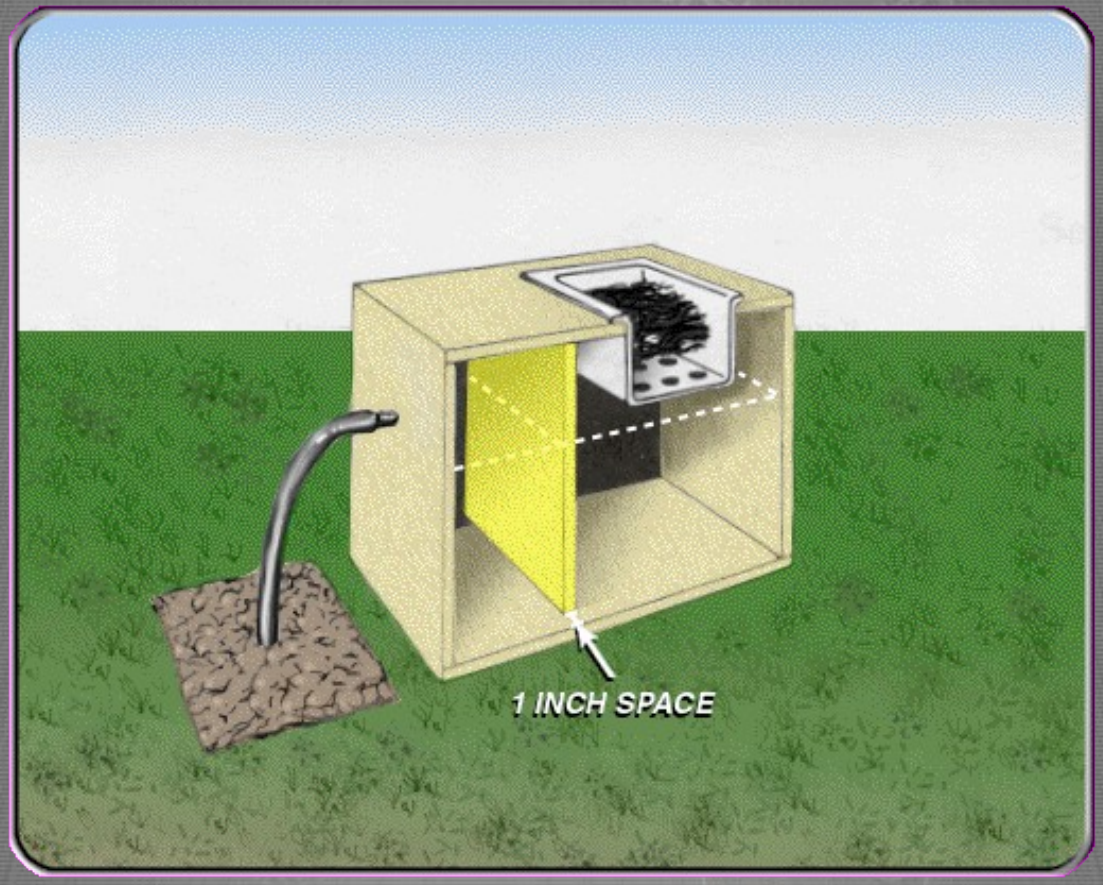
Liquid Waste Disposal Devices

Grease Traps

Baffle grease trap

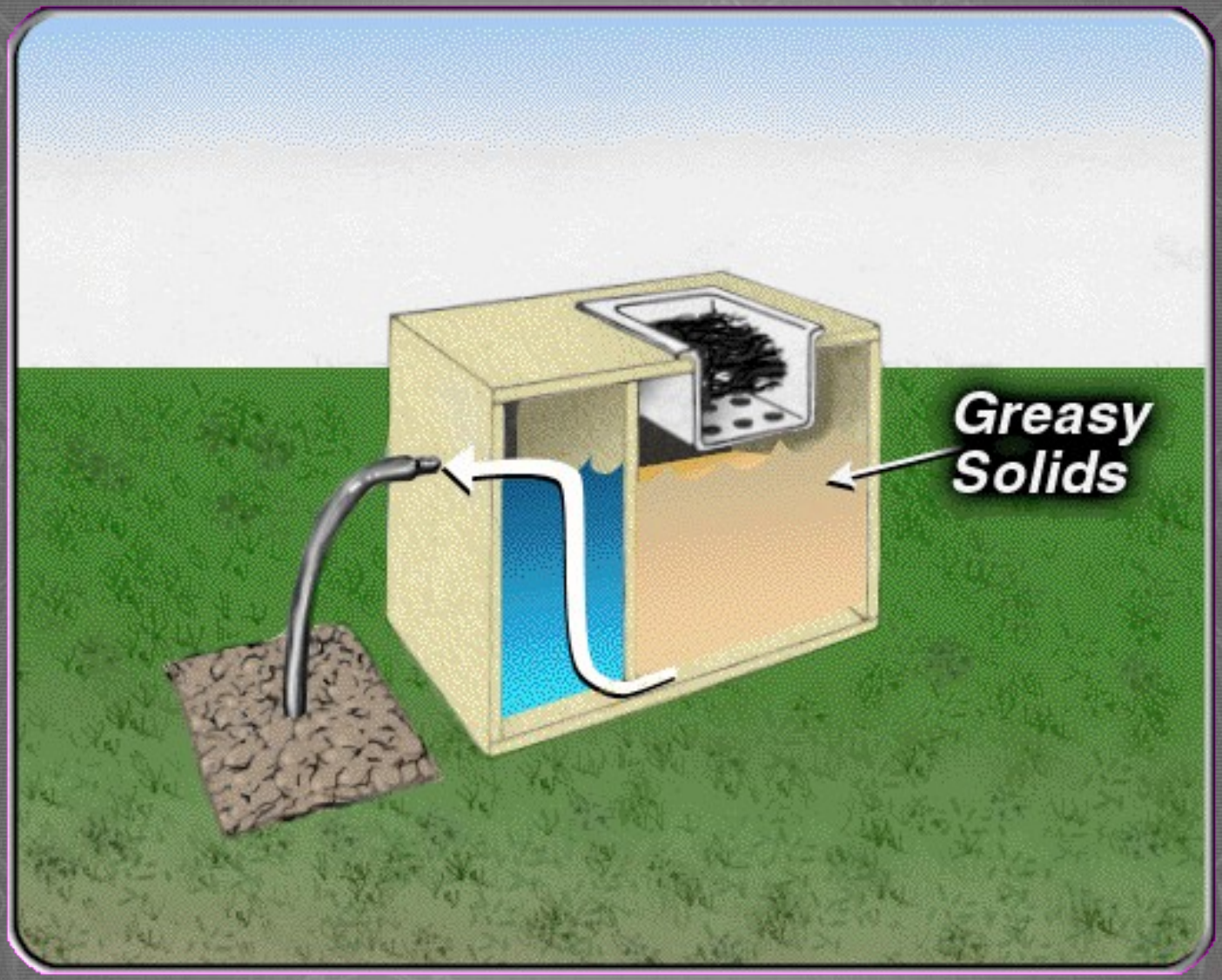
Barrel filter
grease trap

Baffle Grease Trap



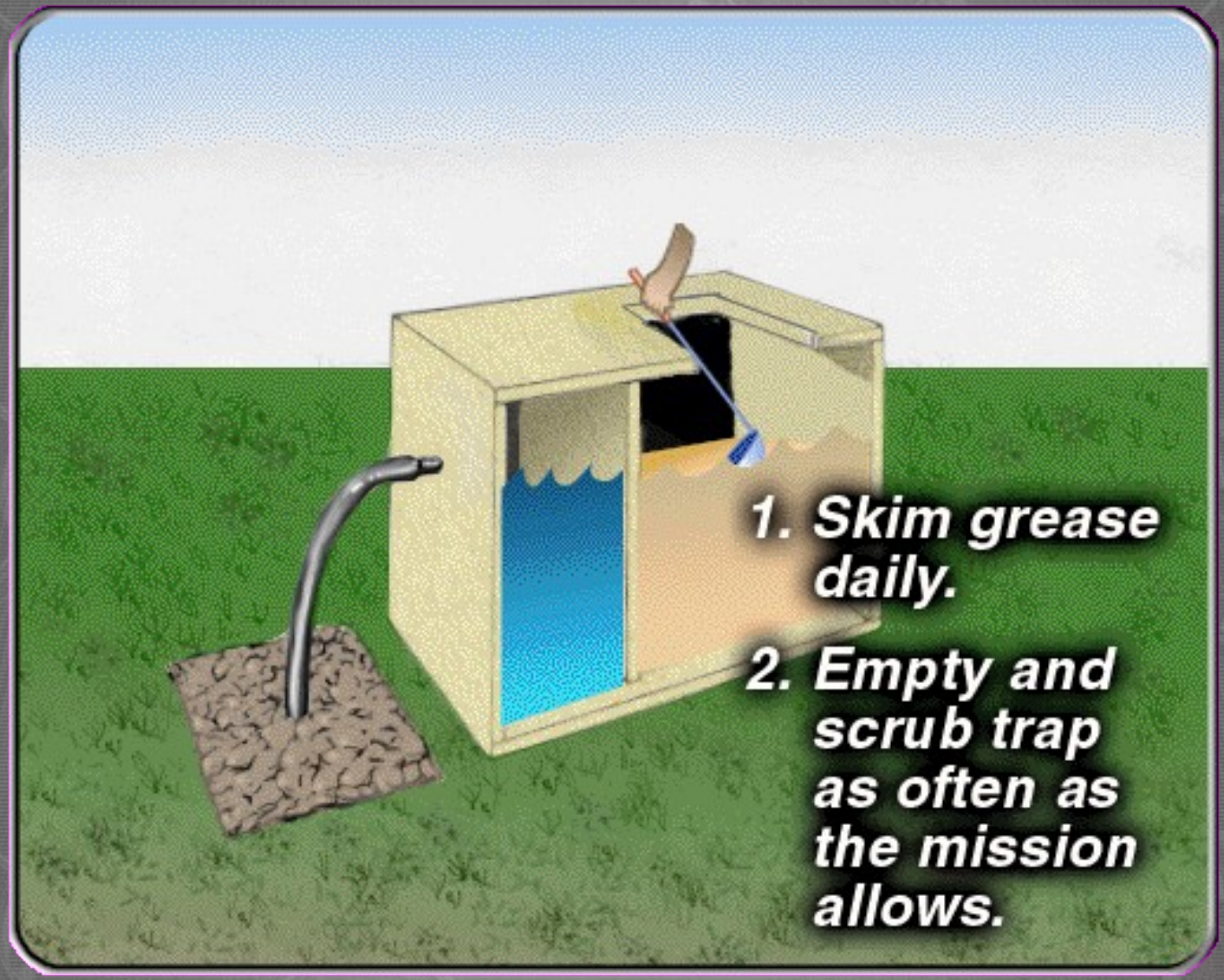
- The most effective way to remove grease from kitchen waste.

Baffle Grease Trap Construction



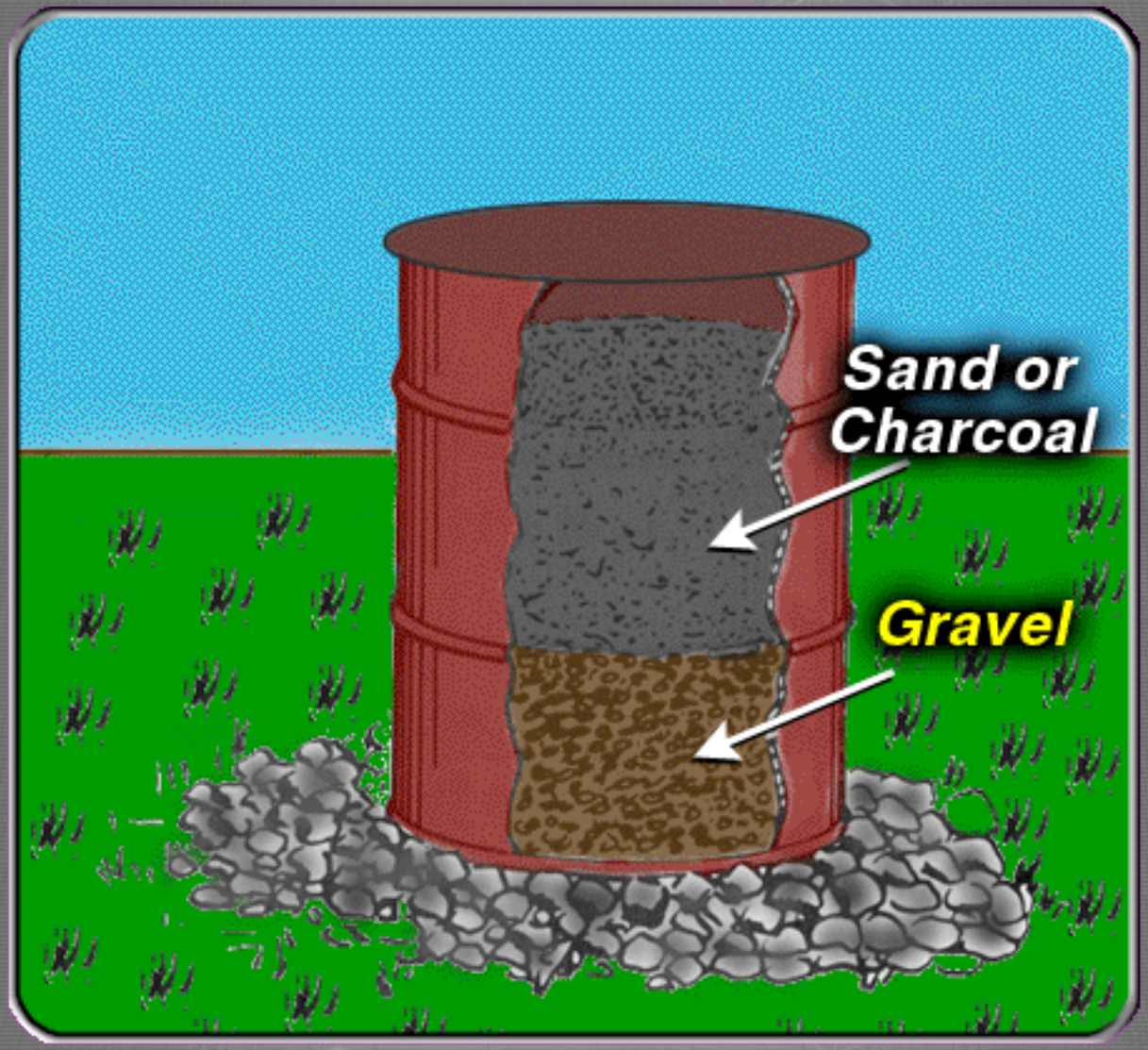
FSTCC0006-28

Baffle Grease Trap Use



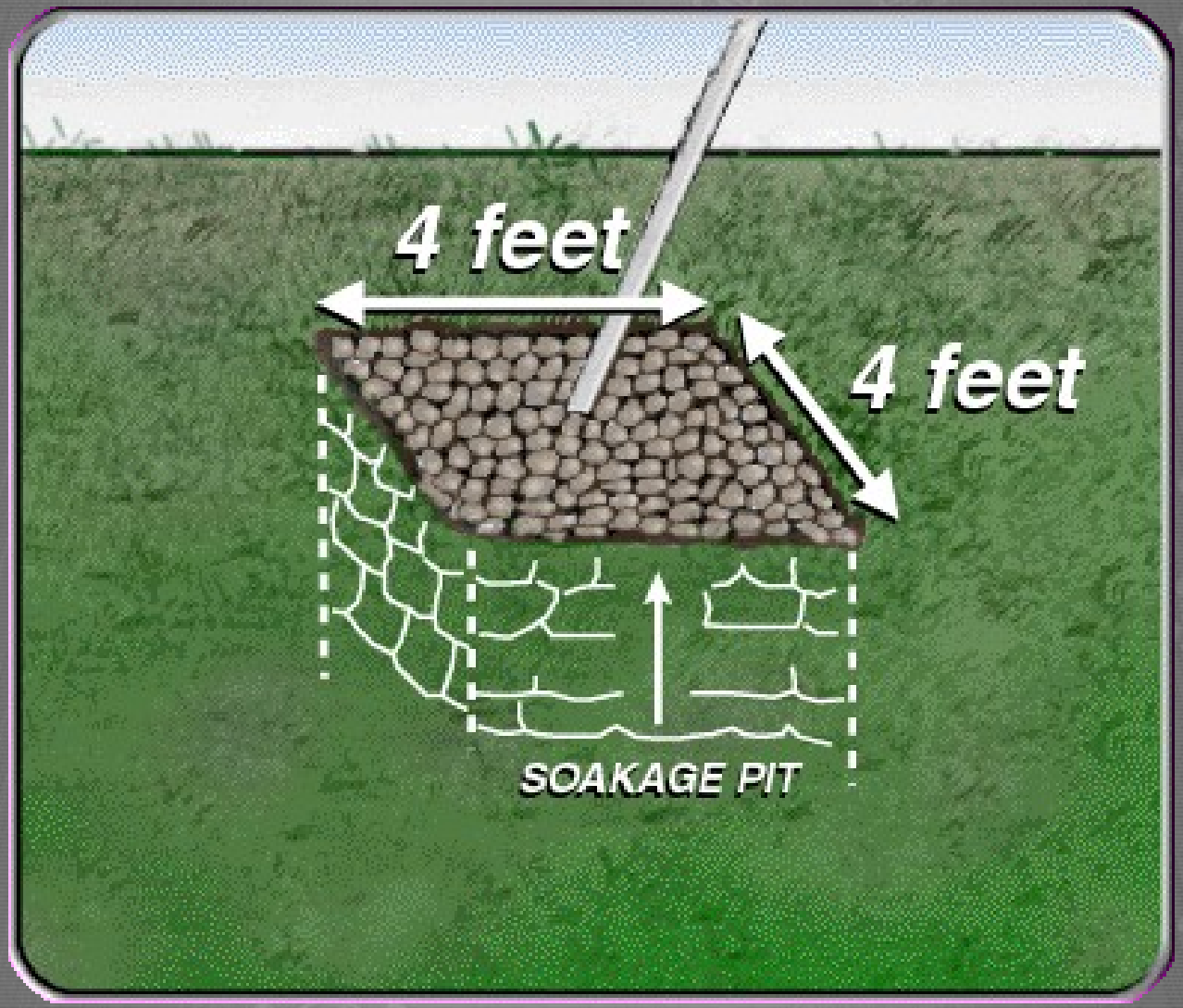
FSTCC0006-29

Barrel Filter Grease Trap

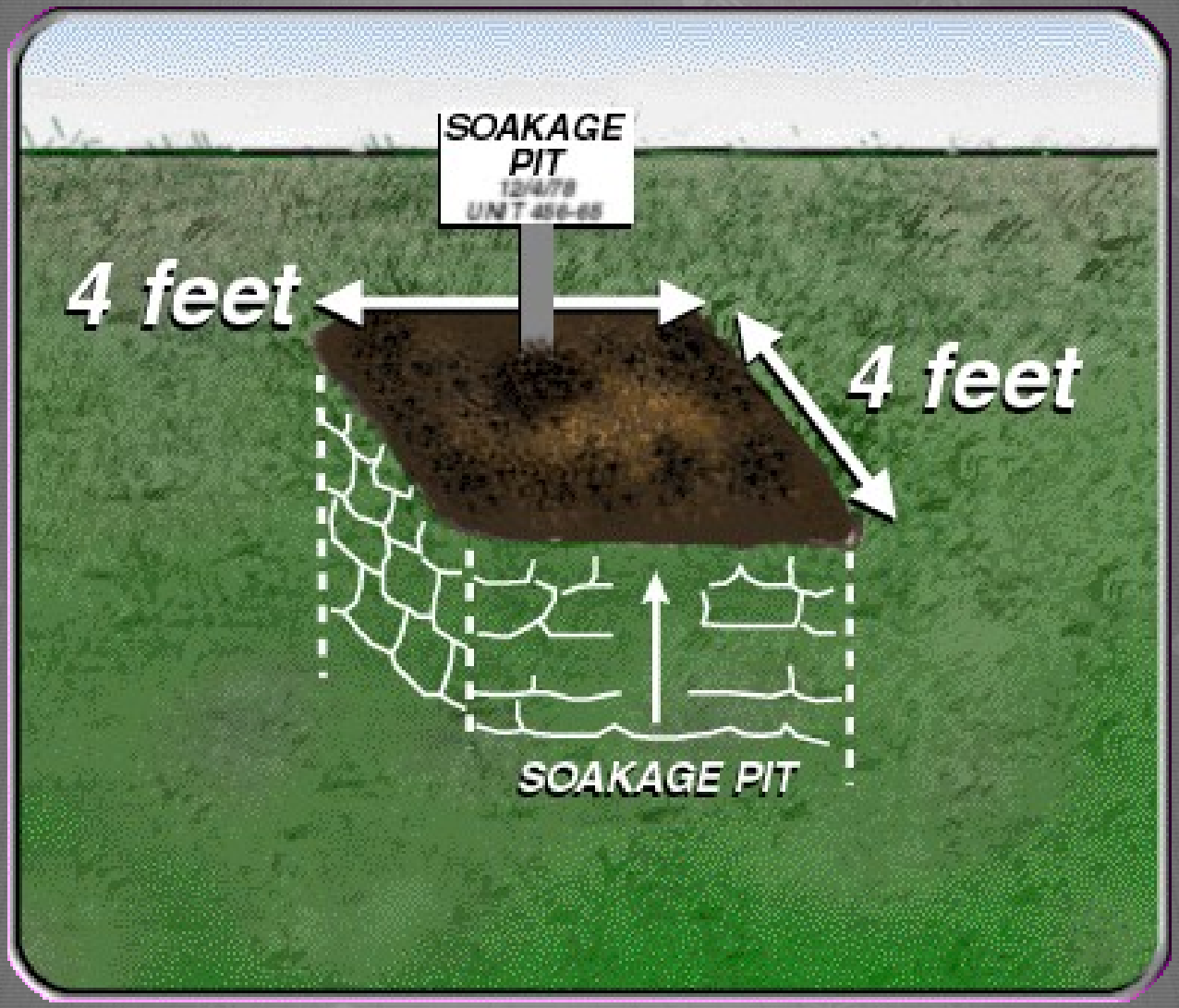


FSTCC0006-30

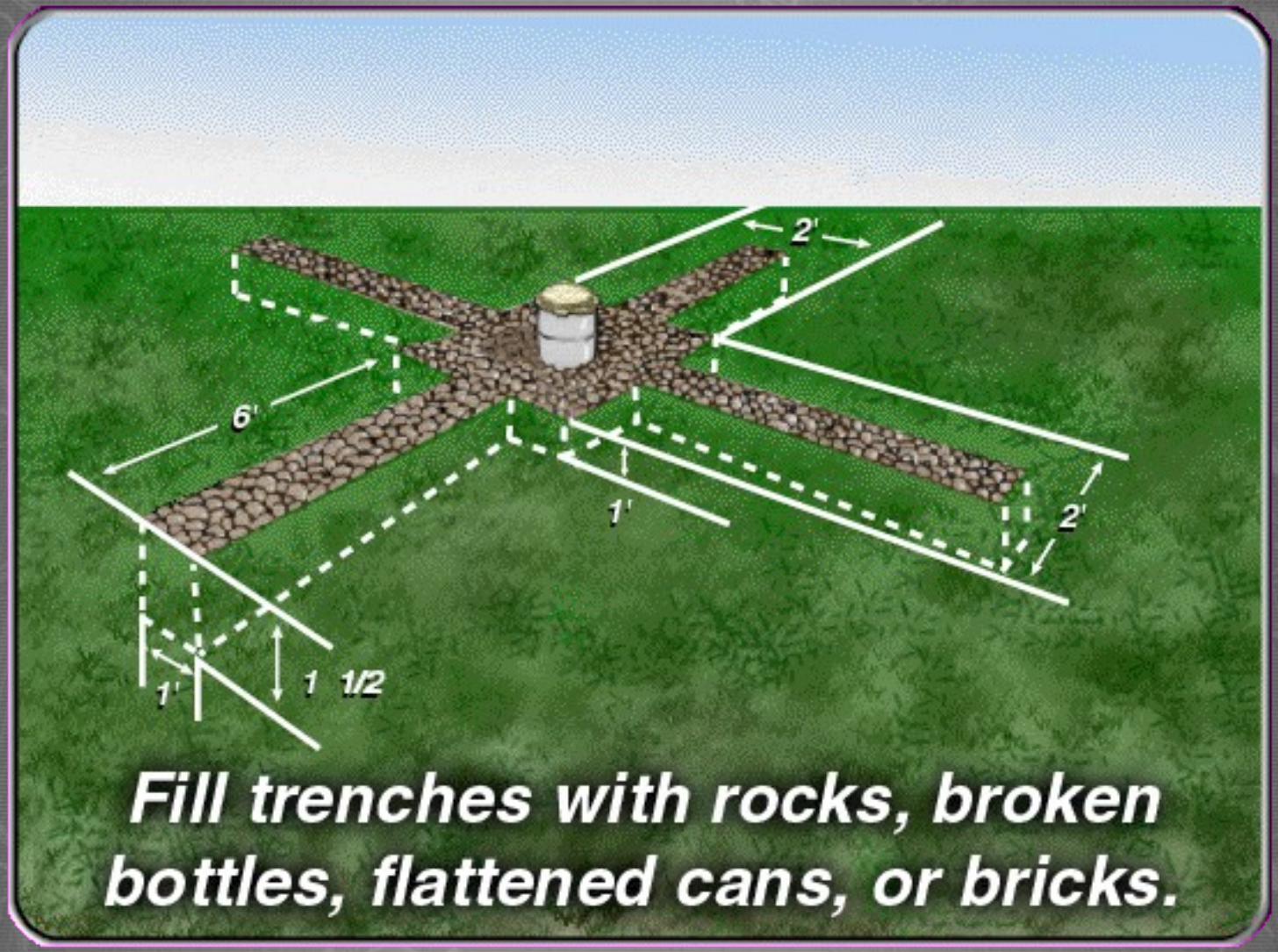
Soakage Pits



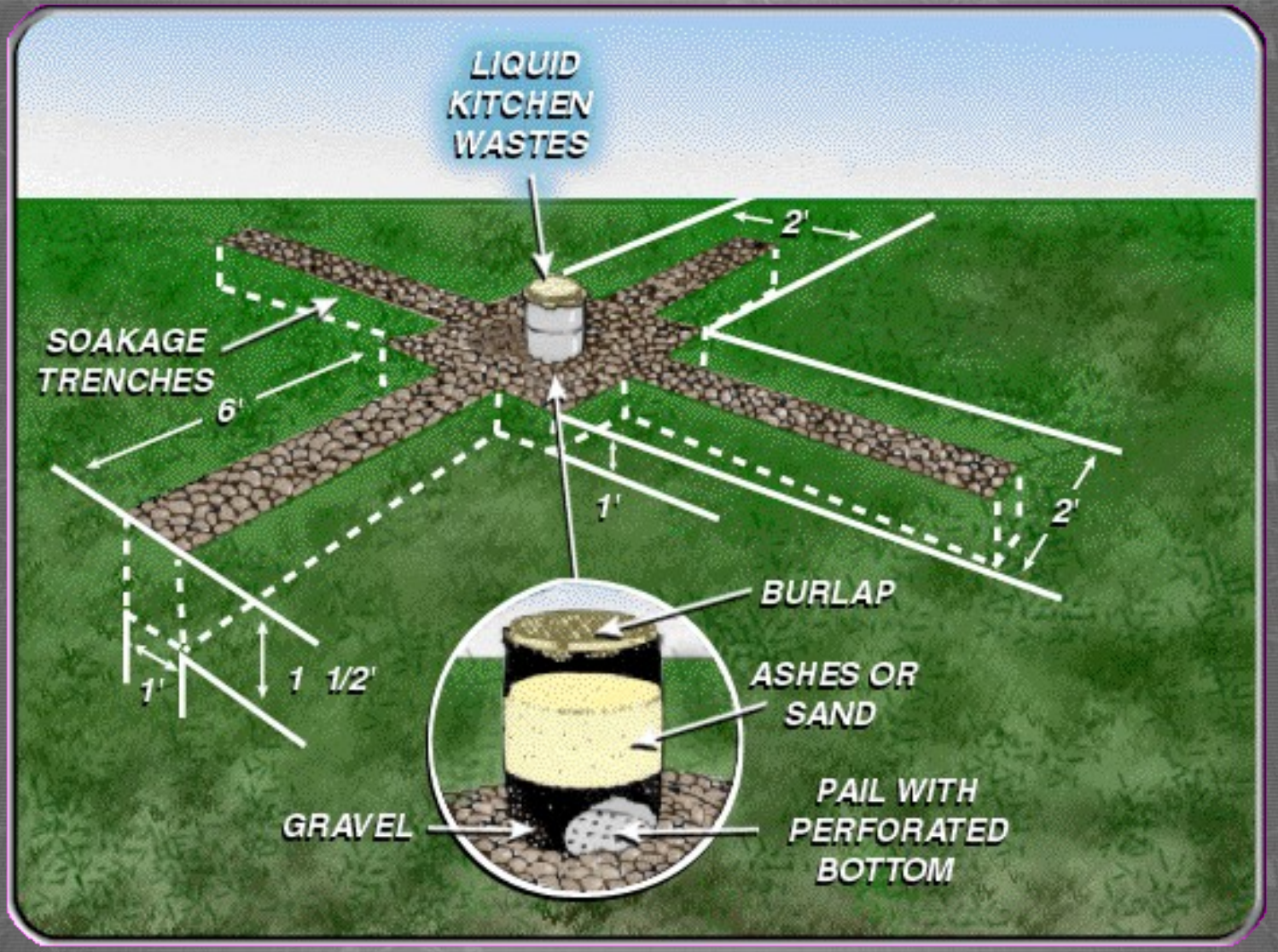
Soakage Pit Closure



Soakage Trenches



Soakage Trench Construction



Evaporation Beds

- Best used on heavy clay soils.

Evaporation Bed Construction

3 square feet /soldier /day for kitchen waste

2 square feet /soldier /day for wash /bath waste

Evaporation Bed Operation

Used properly, these beds create no insect hazard or strong odor.

Garbage and Rubbish Disposal

FSTCC0006-38

Garbage

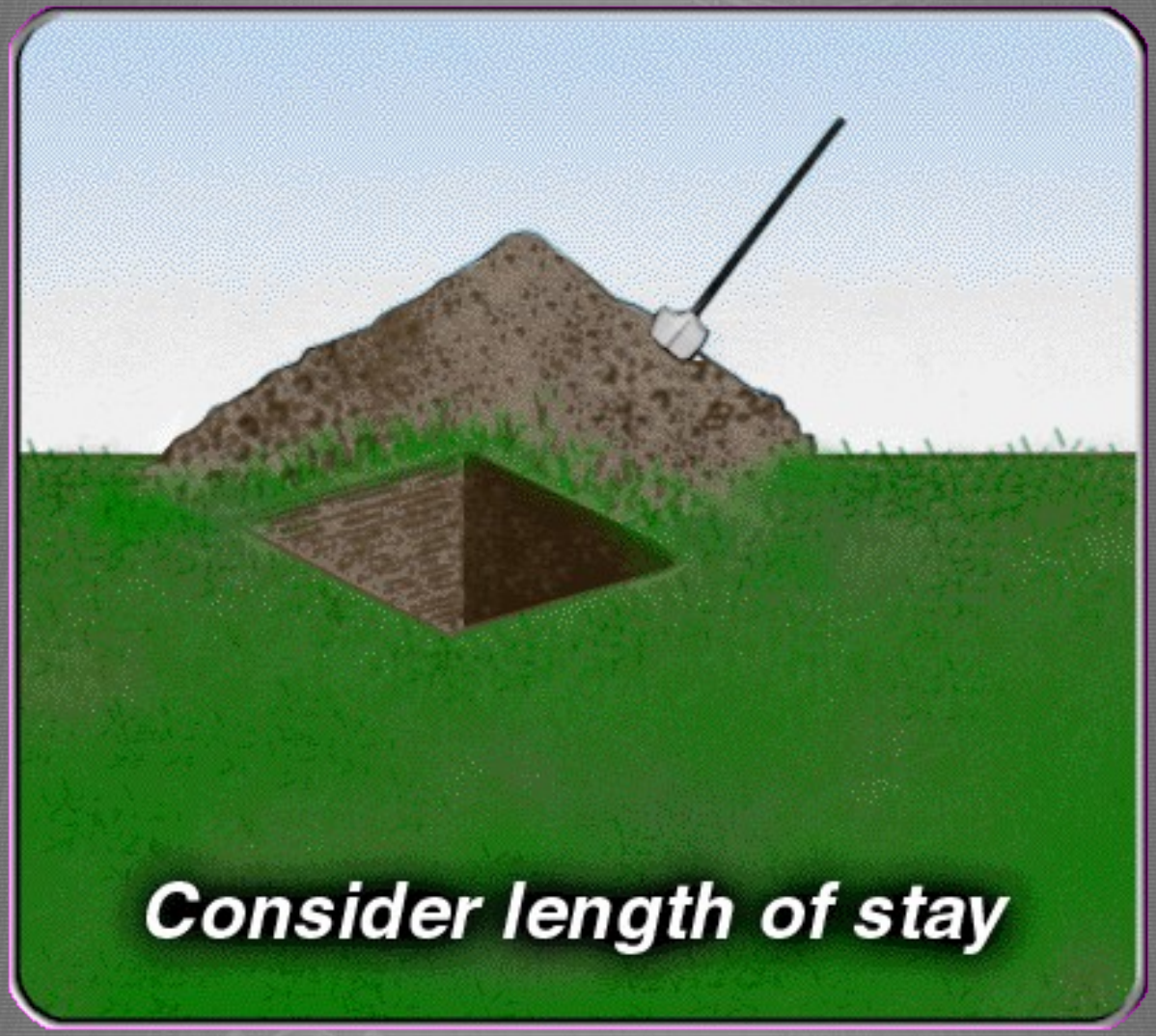
- *Food waste resulting from food preparation, cooking, and serving.*

FSTCC0006-39

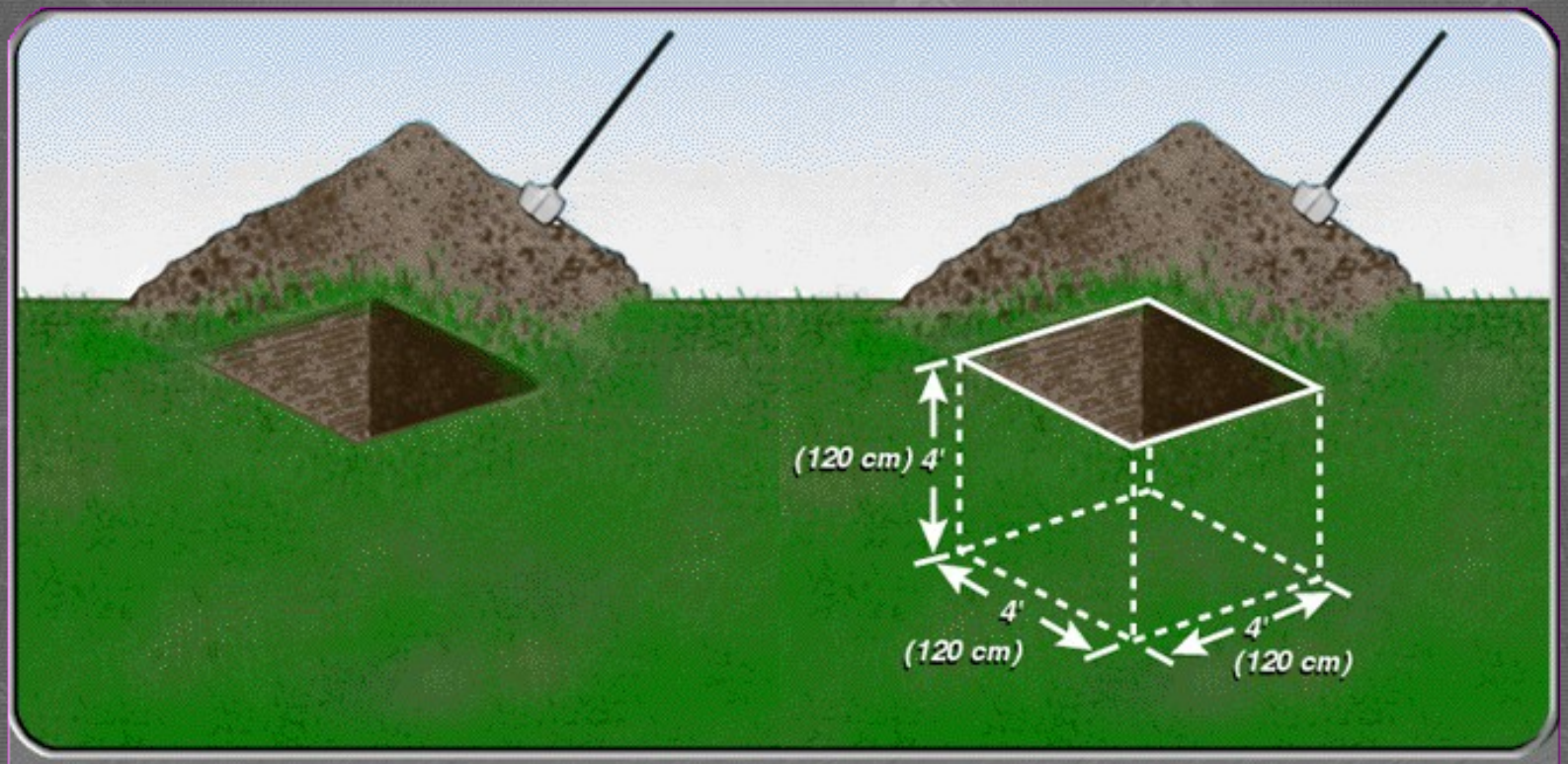
Rubbish

- *Non-food waste that comes from food service facilities.*

Burial Method

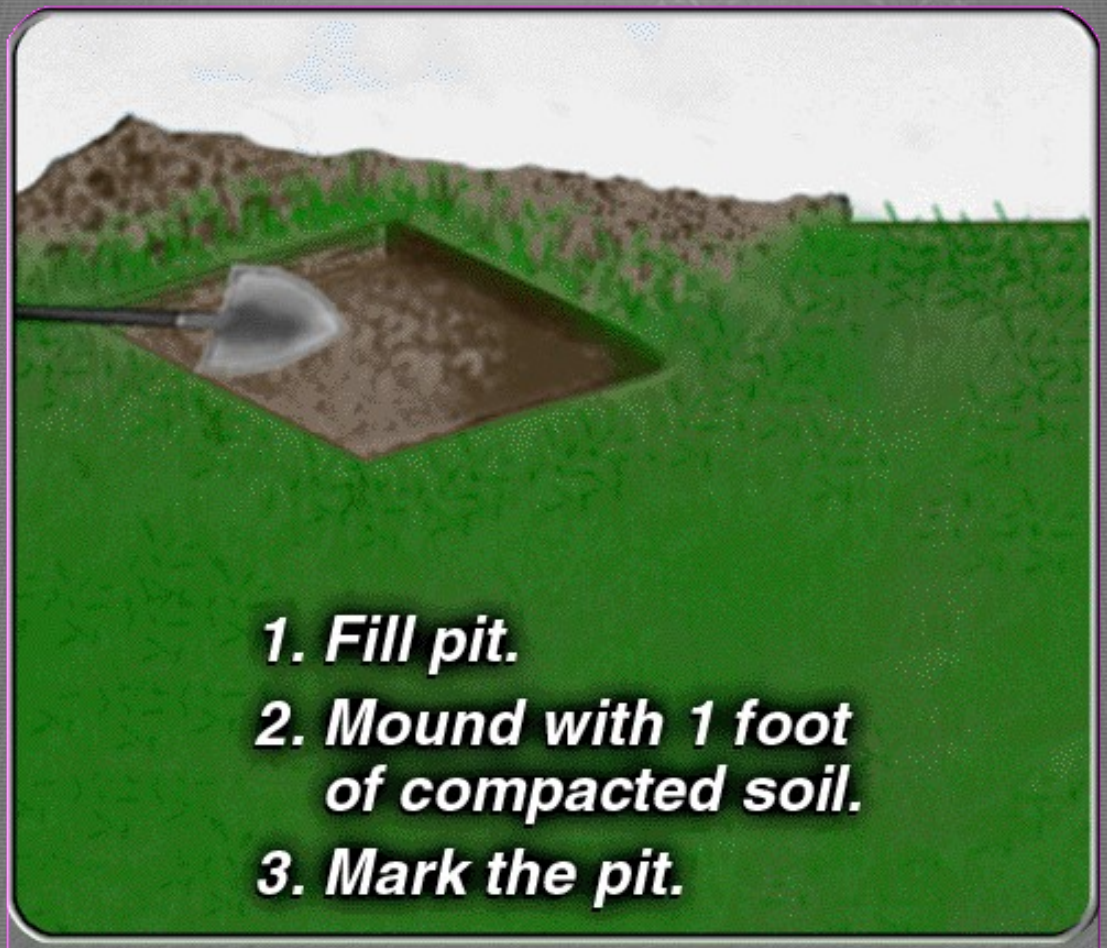


Burial Pits



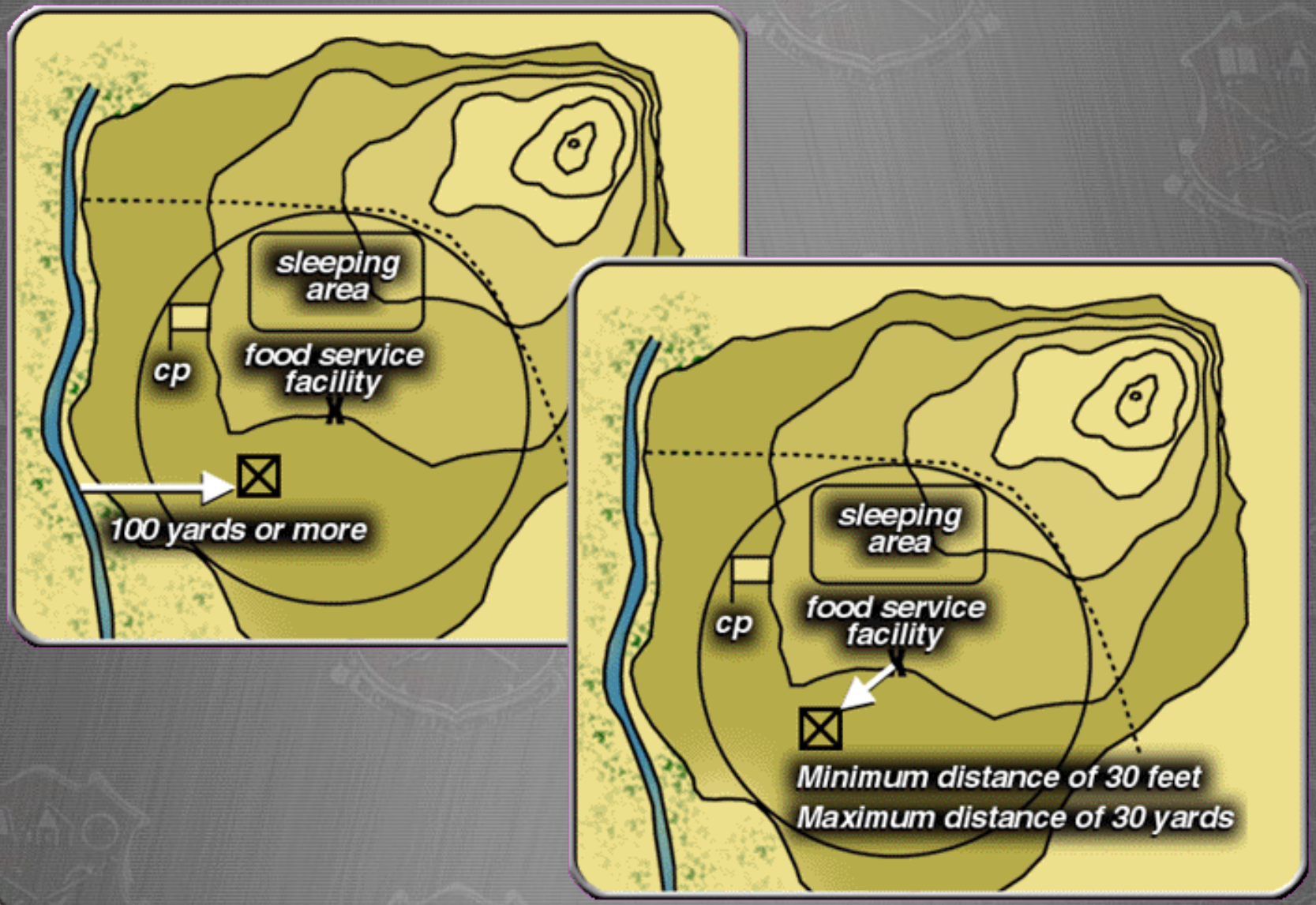
Consider length of stay
Good for overnight halts
Accommodates 100 soldiers for 1 day

Operational Considerations - Pit



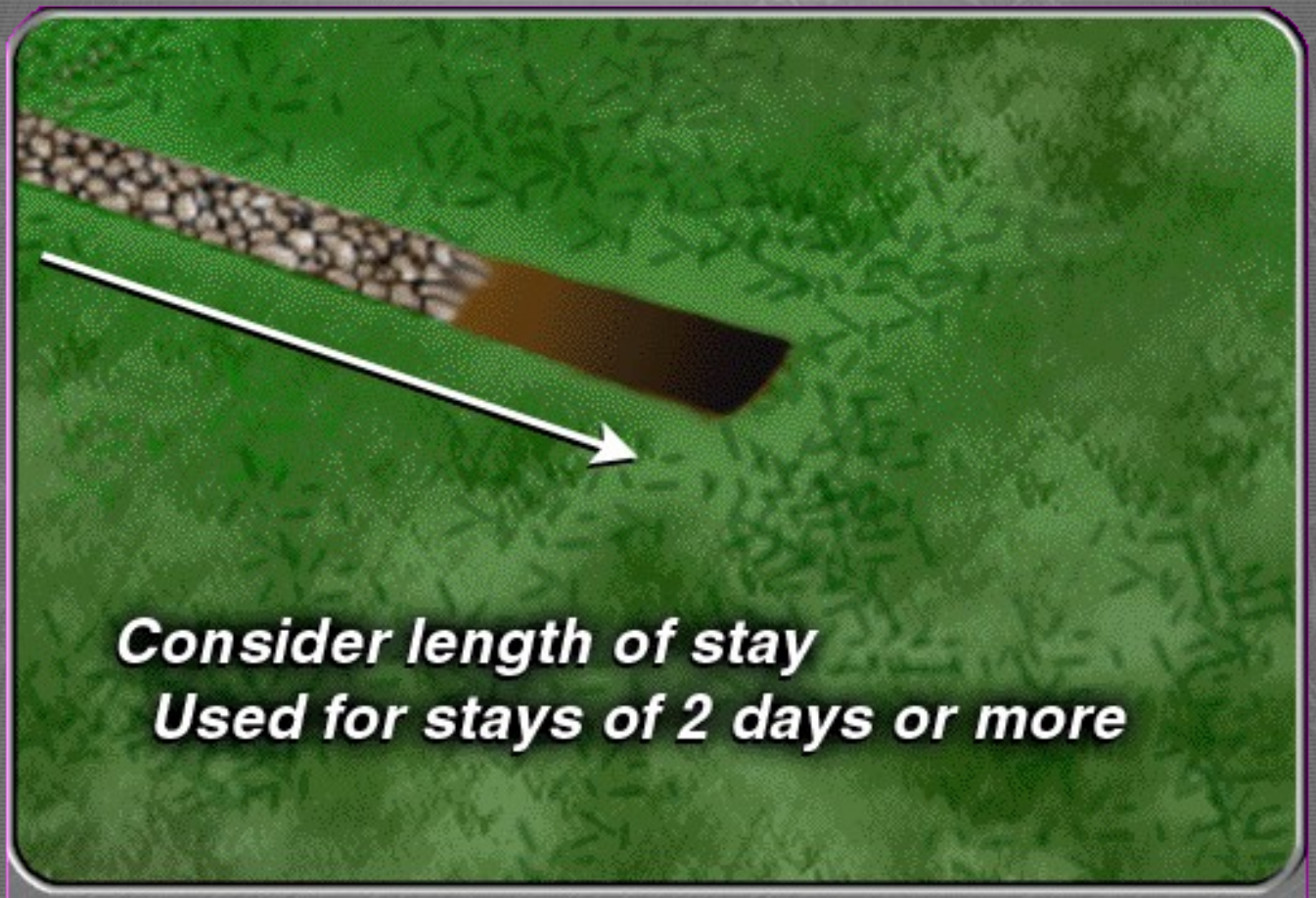
Compact earth to prevent insect and rodent infestation.

Placement of the Pit



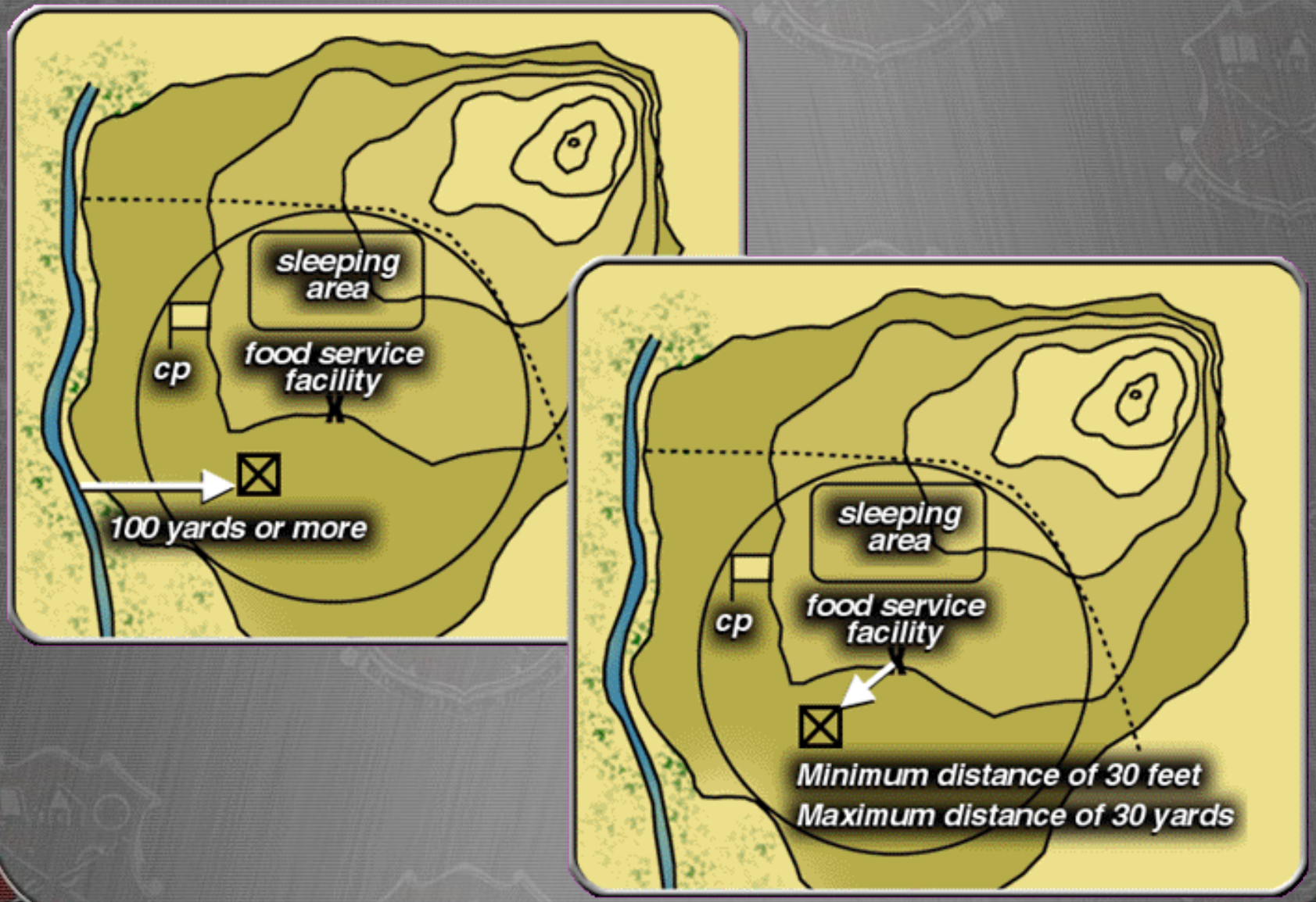
Continuous Trenches

Operational Considerations - Trench

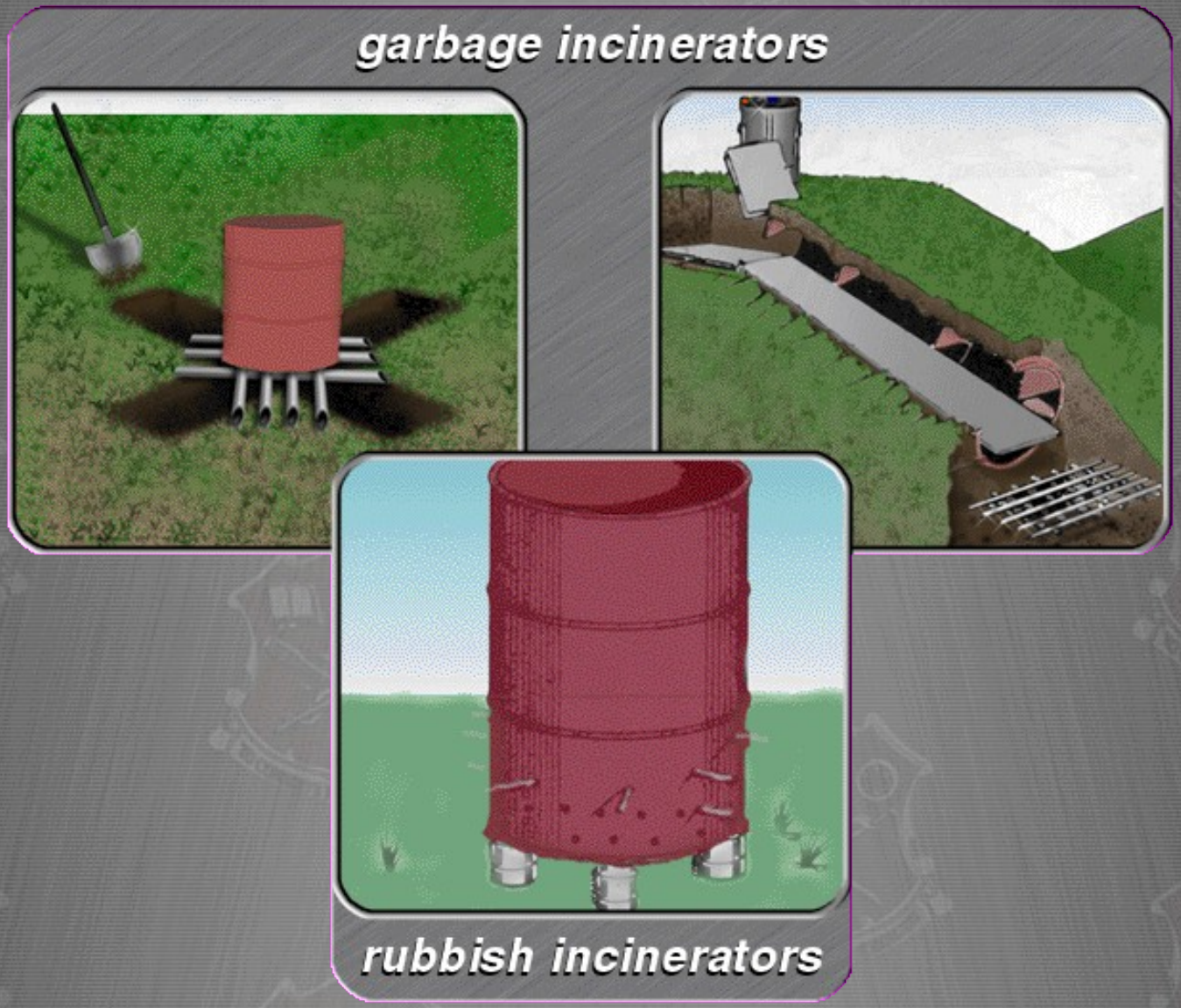


Length of trench varies with length of time used.

Placement of the Trench



Incineration Method



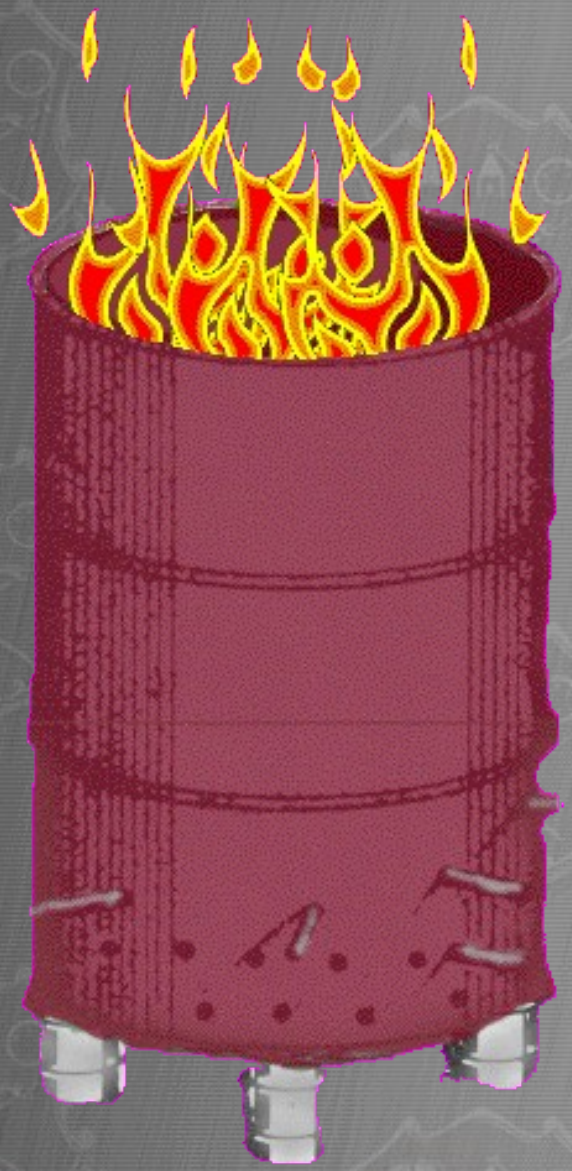
Remove Non-combustible Rubbish

FSTCC0006-49

Remove Wet Garbage

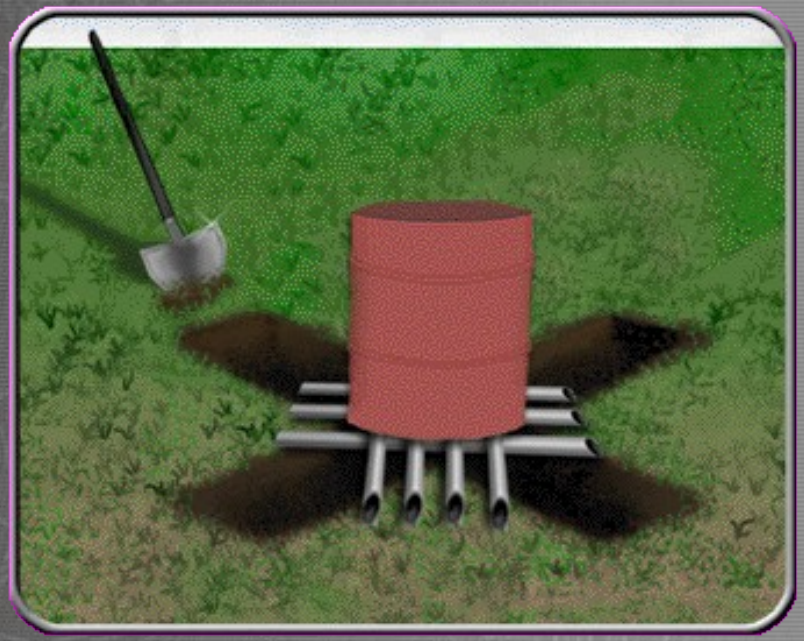
FSTCC0006-50

Barrel Incinerator



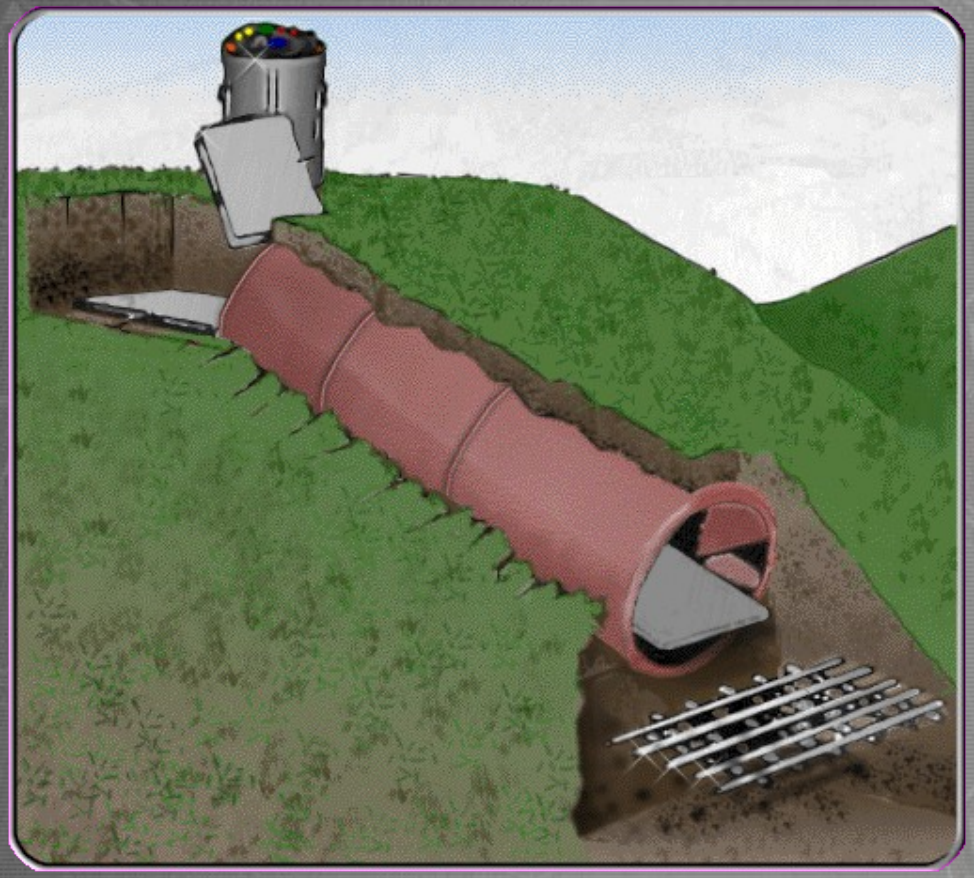
- ***Use this incinerator to dispose of combustible rubbish.***

Cross Trench and Stack Incinerator



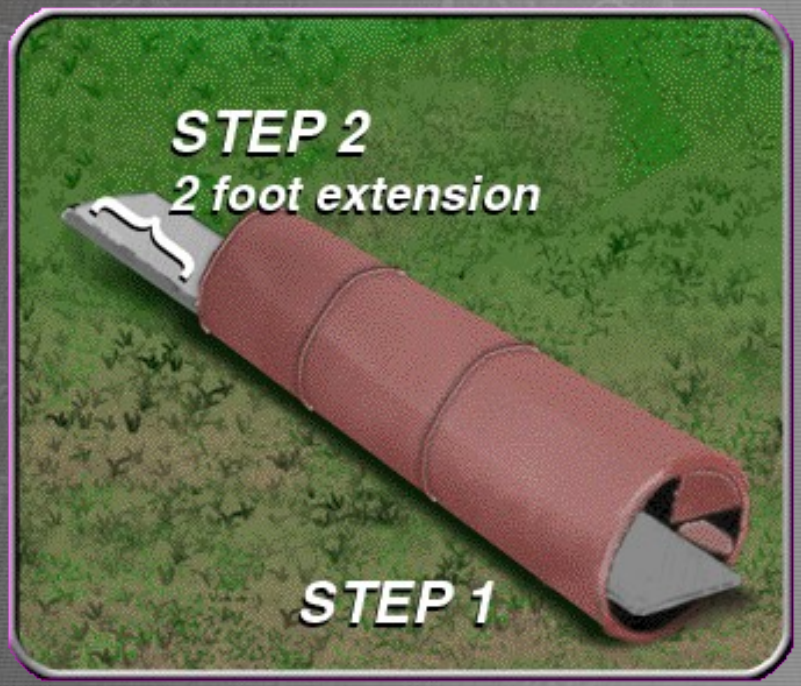
- *Use this incinerator to effectively dispose of garbage and rubbish for a company-sized unit.*

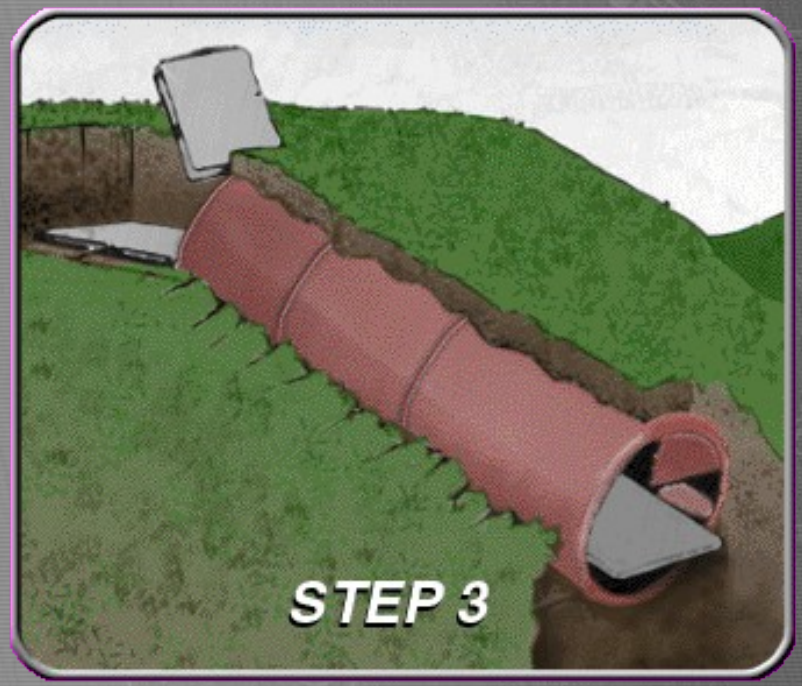
Inclined Plane Incinerator



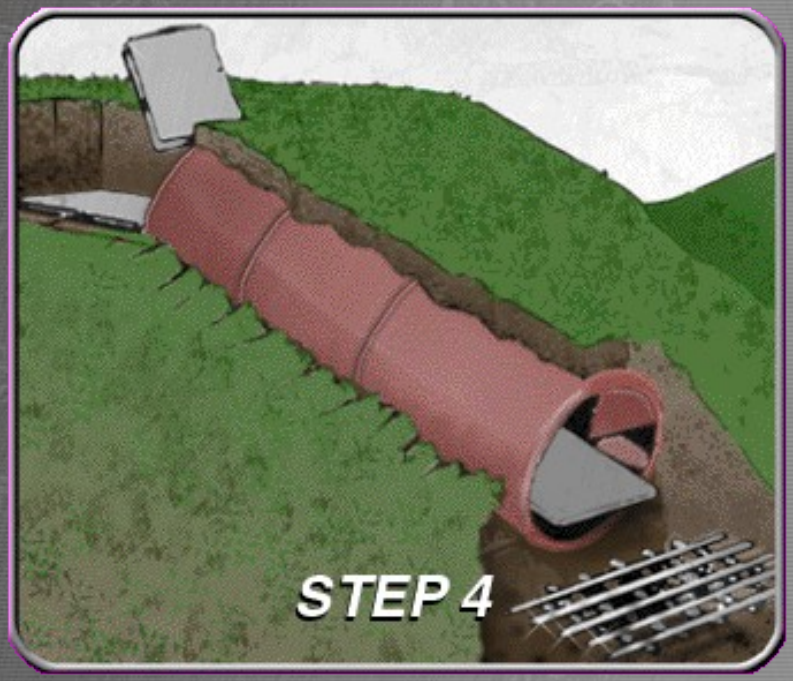
- Use this incinerator to dispose of garbage and rubbish for an entire battalion.

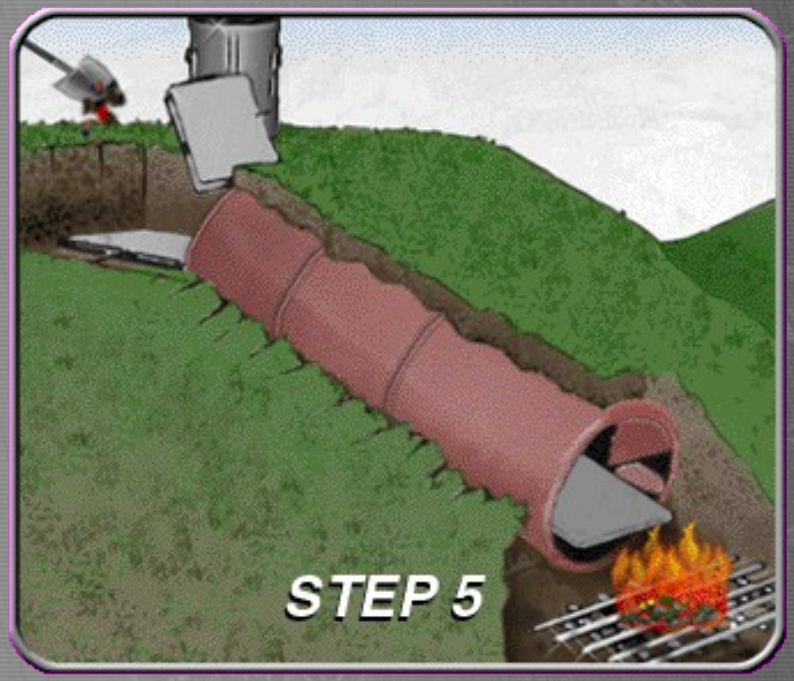
Steps 1, 2, and 3





Steps 4 and 5





Hazardous Waste

Hazardous waste should normally be disposed of through the unit S4 section. Commanders should check with the supporting PVNTMED personnel for information concerning the turn-in of hazardous materials and hazardous waste materials.

SUMMARY